

SEVERN  
TRENT

STL

STL Pittsburgh  
301 Alpha Drive  
Pittsburgh, PA 15238

Tel: 412 963 7058 Fax: 412 963 2468  
[www.stl-inc.com](http://www.stl-inc.com)

## ANALYTICAL REPORT

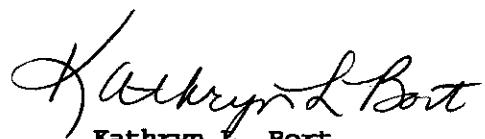
Langan/AE Polysilicon Site

Lot #: C7E110175

Judd Herr

Langan Engineering & Environment  
2700 Kelly Road  
Suite 200  
Warrington, PA 18976

SEVERN TRENT LABORATORIES, INC.



Kathryn L. Bort  
Project Manager

June 4, 2007

**NELAC REPORTING:**

The format and content of the attached report meets NELAC standards and guidelines except as noted in the narrative. The table below presents a summary of the certifications held by STL Pittsburgh. Our primary accreditation authority for the Non-potable water and Solid & Hazardous waste programs is Pennsylvania DEP. A more detailed parameter list is available upon request. Please ask your project manager for this information when required.

Certifying State/Program NFESC	Certificate #	Program Types	STL Pittsburgh
USACE	NA	NAVY Corps of Engineers	X
US Dept of Agriculture	(#S-46425)	Foreign Soil Import Permit	X
Arkansas	(#03-022-1)	WW HW	X X
California – nelac	04224CA	WW HW	X X
Connecticut	(#PH-0688)	WW HW	X X
Florida – nelac	(#E87660)	WW HW	X X
Illinois – nelac	(#200005)	WW HW	X X
Kansas – nelac	(#E-10350)	WW HW	X X
Louisiana – nelac	(#93200)	WW HW	X X
New Hampshire – nelac	(#203002)	WW –	X –
New Jersey – nelac	(PA-005)	WW HW	X X
New York – nelac	(#11182)	WW HW	X X
North Carolina	(#434)	WW HW	X X
Ohio Vap	(#CL0063)	WW HW	X X
Pennsylvania - nelac	(#02-00416)	WW HW	X X
South Carolina	(#89014001)	WW HW	X X
Utah – nelac	(STLP)	WW HW	X X
West Virginia	(#142)	WW HW	X X
Wisconsin	998027800	WW HW	X X

The codes utilized for program types are described below:

- HW Hazardous Waste certification
- WW Non-potable Water and/or Wastewater certification
- X Laboratory has some form of certification under the specific program. Many states certify laboratories for specific parameters or tests within a category. The information in the table indicates the lab is certified in a general category of testing. Please contact the laboratory if parameter specific certification information is required.

Updated: 04/27/06

## CASE NARRATIVE

Langan

STL Lot # C7E110175

### **Sample Receiving:**

STL Pittsburgh received samples on May 11, 2007. The cooler was received within the proper temperature range.

If project specific QC was not required for samples contained in this report, and batch QC was completed on these samples, anomalous results are discussed below.

### **GC/MS Volatiles:**

All non-CCC compounds that have >15% RSD were evaluated to see if a better curve could be drawn using a quadratic curve. All compounds <30% RSD will use an average response factor curve if no visible improvement is accomplished using a quadratic curve. A quadratic curve will be used for a compound where it is determined to be the "best-fit" evaluation.

The following compounds had the %D > 25% in the calibration verification standard CC40516N; but were within expected performance range for these compounds: 2-Butanone -28.1%, 2-Hexanone -28.6%, Acetone 36.0%, Chloroethane -42.8%, Dichlorodifluoromethane -29.3% and Trichlorofluormethane -35.2%.

The following compounds had the %D > 25% in the calibration verification standard CC40517; but were within expected performance range for these compounds: Acetone -34.8% and Dichlorodifluoromethane -29.5%.

The method blanks for batches 7136651 and 7141249 had methylene chloride detected below the reporting limit but above the MDL. The result was flagged with a "J" qualifier. Any sample associated with this blank that had methylene chloride detected had the result flagged with a "B" qualifier.

### **GC/MS Semivolatiles:**

The reporting limits were adjusted according to the amount of sample extracted.

Due to the concentration of target compounds detected and/or matrix, several samples were analyzed at a dilution.

All non-CCC compounds that have >15% RSD were evaluated to see if a better curve could be drawn using a quadratic curve. All compounds <30% RSD will use an average response factor curve if no visible improvement is accomplished using a quadratic curve. A quadratic curve will be used for a compound where it is determined to be the "best-fit" evaluation.

## CASE NARRATIVE

Langan

STL Lot # C7E110175

### **GC/MS Semivolatiles SIM:**

The reporting limits were adjusted according to the amount of sample extracted.

Due to the concentration of target compounds detected, several samples were analyzed at a dilution.

Samples required both full scan 8270 and SIM analysis. The client elected to do these analyses on a single extract. Samples were spiked with regular 8270 surrogate and matrix spike solutions. The QC establishing extraction performance is reported from the full scan 8270 run. The spike data is above the calibration range for the SIM analysis. These spikes would therefore not be expected to be within range for the SIM analysis and are therefore not reported on the SIM result forms. The injection performance on the SIM run may be monitored through the IS recoveries. The surrogate information is also available for qualitative review in the raw SIM data.

### **PCBs:**

The reporting limits were adjusted according to the amount of sample extracted.

### **Metals:**

Several samples were over the instruments linear range for iron and manganese and required a dilution.

The method blanks had analytes detected at concentrations between the MDL and the reporting limit. The results were flagged with a "B" qualifier. Any sample associated with a method blank that had the same analyte detected had the result flagged with a "J" qualifier.

### **General Chemistry:**

There were no problems associated with the analysis.

## METHODS SUMMARY

C7E110175

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
ICP-MS (6020)	SW846 6020	SW846 3010
ICP-MS (6020)	SW846 6020	SW846 3050B
Mercury in Liquid Waste (Manual Cold-Vapor)	SW846 7470A	SW846 7470A
Mercury in Solid Waste (Manual Cold-Vapor)	SW846 7471A	SW846 7471A
PCBs by SW-846 8082	SW846 8082	SW846 3510C
PCBs by SW-846 8082	SW846 8082	SW846 3541
Semivolatile Organic Compounds by GC/MS	SW846 8270C	SW846 3520C
Semivolatile Organic Compounds by GC/MS	SW846 8270C	SW846 3541
Total Residue as Percent Solids	MCAWW 160.3 MOD	MCAWW 160.3 MOD
Volatile Organics by GC/MS	SW846 8260B	SW846 5030B/826
Volatile Organics by GC/MS	SW846 8260B	SW846 5035
8270C (SIM)	SW846 8270C SIM	SW846 3520C
8270C (SIM)	SW846 8270C SIM	SW846 3541

### References:

- MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.
- SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

# SAMPLE SUMMARY

C7E110175

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
JWQ2J	001	014-AETP-18 (1.5-2)	05/10/07	08:00
JWQ2L	002	015-AETP-18 (14.5-15)	05/10/07	08:15
JWQ2M	003	016-AETP-19 (1.5-2)	05/10/07	09:00
JWQ2P	004	017-AETP-19 (14.5-15)	05/10/07	09:10
JWQ2Q	005	018-AETP-20 (1.5-2)	05/10/07	09:50
JWQ2R	006	019-AETP-20 (4.5-5)	05/10/07	10:40
JWQ2V	007	020-FB-2	05/10/07	11:00
JWQ2X	008	021-AETP-12 (1.5-2)	05/10/07	11:45
JWQ20	009	022-AETP-12 (9.5-10)	05/10/07	12:50
JWQ22	010	023-AETP-10 (15-20)	05/10/07	14:13
JWQ24	011	024-AETP-10	05/10/07	14:38
JWQ27	012	025-TB-2	05/10/07	

## NOTE(S) :

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.



## Langan Engineering &amp; Environmental Svcs

Client Sample ID: 014-AETP-18 (1.5-2)

## GC/MS Volatiles

Lot-Sample #....: C7E110175-001    Work Order #....: JWQ2J1AA    Matrix.....: SOLID  
 Date Sampled....: 05/10/07    Date Received...: 05/11/07    MS Run #.....:  
 Prep Date.....: 05/16/07    Analysis Date...: 05/17/07  
 Prep Batch #....: 7136651    Analysis Time...: 01:54  
 Dilution Factor: 1.37  
 % Moisture.....: 6.5    Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Acetone	ND	29	ug/kg
Benzene	ND	7.3	ug/kg
Bromodichloromethane	ND	7.3	ug/kg
Bromoform	ND	7.3	ug/kg
Bromomethane	ND	7.3	ug/kg
2-Butanone	ND	7.3	ug/kg
Carbon disulfide	ND	7.3	ug/kg
Carbon tetrachloride	ND	7.3	ug/kg
Chlorobenzene	ND	7.3	ug/kg
Chloroethane	ND	7.3	ug/kg
Chloroform	ND	7.3	ug/kg
Chloromethane	ND	7.3	ug/kg
Cyclohexane	ND	7.3	ug/kg
Dibromochloromethane	ND	7.3	ug/kg
1,2-Dibromo-3-chloro-propane	ND	7.3	ug/kg
1,2-Dibromoethane	ND	7.3	ug/kg
1,3-Dichlorobenzene	ND	7.3	ug/kg
1,4-Dichlorobenzene	ND	7.3	ug/kg
1,2-Dichlorobenzene	ND	7.3	ug/kg
Dichlorodifluoromethane	ND	7.3	ug/kg
1,1-Dichloroethane	ND	7.3	ug/kg
1,2-Dichloroethane	ND	7.3	ug/kg
1,1-Dichloroethene	ND	7.3	ug/kg
cis-1,2-Dichloroethene	ND	7.3	ug/kg
trans-1,2-Dichloroethene	ND	7.3	ug/kg
1,2-Dichloropropane	ND	7.3	ug/kg
cis-1,3-Dichloropropene	ND	7.3	ug/kg
trans-1,3-Dichloropropene	ND	7.3	ug/kg
Ethylbenzene	ND	7.3	ug/kg
2-Hexanone	ND	7.3	ug/kg
Isopropylbenzene	ND	7.3	ug/kg
Methyl acetate	ND	7.3	ug/kg
Methylene chloride	1.1 J,B	7.3	ug/kg
Methylcyclohexane	ND	7.3	ug/kg
4-Methyl-2-pentanone	ND	7.3	ug/kg
Methyl tert-butyl ether	ND	7.3	ug/kg
Styrene	ND	7.3	ug/kg

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## Langan Engineering &amp; Environmental Svcs

Client Sample ID: 014-AETP-18 (1.5-2)

## GC/MS Volatiles

Lot-Sample #....: C7E110175-001 Work Order #....: JWQ2J1AA Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,1,2,2-Tetrachloroethane	ND	7.3	ug/kg
1,2,4-Trichloro- benzene	ND	7.3	ug/kg
Tetrachloroethene	ND	7.3	ug/kg
1,1,1-Trichloroethane	ND	7.3	ug/kg
1,1,2-Trichloroethane	ND	7.3	ug/kg
Trichloroethene	ND	7.3	ug/kg
Trichlorofluoromethane	ND	7.3	ug/kg
1,1,2-Trichloro- 1,2,2-trifluoroethane	ND	7.3	ug/kg
Toluene	ND	7.3	ug/kg
Vinyl chloride	ND	7.3	ug/kg
Xylenes (total)	ND	22	ug/kg

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
1,2-Dichloroethane-d4	71	(52 - 124)
Toluene-d8	99	(72 - 127)
4-Bromofluorobenzene	89	(63 - 120)
Dibromofluoromethane	83	(68 - 121)

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: 014-AETP-18 (1.5-2)

## GC/MS Semivolatiles

Lot-Sample #....: C7E110175-001    Work Order #....: JWQ2J1AC    Matrix.....: SOLID  
 Date Sampled....: 05/10/07    Date Received...: 05/11/07    MS Run #.....: 7135005  
 Prep Date.....: 05/15/07    Analysis Date...: 06/01/07  
 Prep Batch #....: 7135014    Analysis Time...: 03:50  
 Dilution Factor: 1  
 % Moisture.....: 6.5    Method.....: SW846 8270C

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
Acetophenone	ND	350	ug/kg
Atrazine	ND	350	ug/kg
Benzaldehyde	ND	350	ug/kg
1,1'-Biphenyl	ND	350	ug/kg
bis(2-Chloroethoxy) methane	ND	350	ug/kg
bis(2-Chloroethyl)- ether	ND	350	ug/kg
bis(2-Ethylhexyl) phthalate	ND	350	ug/kg
4-Bromophenyl phenyl ether	ND	350	ug/kg
Butyl benzyl phthalate	ND	350	ug/kg
Caprolactam	ND	350	ug/kg
Carbazole	ND	350	ug/kg
4-Chloroaniline	ND	350	ug/kg
4-Chloro-3-methylphenol	ND	350	ug/kg
2-Chloronaphthalene	ND	350	ug/kg
2-Chlorophenol	ND	350	ug/kg
4-Chlorophenyl phenyl ether	ND	350	ug/kg
Dibenzofuran	ND	350	ug/kg
3,3'-Dichlorobenzidine	ND	1700	ug/kg
2,4-Dichlorophenol	ND	350	ug/kg
Diethyl phthalate	ND	350	ug/kg
2,4-Dimethylphenol	ND	350	ug/kg
Dimethyl phthalate	ND	350	ug/kg
Di-n-butyl phthalate	ND	350	ug/kg
4,6-Dinitro- 2-methylphenol	ND	1700	ug/kg
2,4-Dinitrophenol	ND	1700	ug/kg
2,4-Dinitrotoluene	ND	350	ug/kg
2,6-Dinitrotoluene	ND	350	ug/kg
Di-n-octyl phthalate	ND	350	ug/kg
Hexachlorobenzene	ND	350	ug/kg
Hexachlorobutadiene	ND	350	ug/kg
Hexachlorocyclopenta- diene	ND	1700	ug/kg

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## Langan Engineering &amp; Environmental Svcs

Client Sample ID: 014-AETP-18 (1.5-2)

## GC/MS Semivolatiles

Lot-Sample #....: C7E110175-001 Work Order #....: JWQ2J1AC Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Hexachloroethane	ND	350	ug/kg
Isophorone	ND	350	ug/kg
2-Methylnaphthalene	ND	350	ug/kg
2-Methylphenol	ND	350	ug/kg
4-Methylphenol	ND	350	ug/kg
2-Nitroaniline	ND	1700	ug/kg
3-Nitroaniline	ND	1700	ug/kg
4-Nitroaniline	ND	1700	ug/kg
Nitrobenzene	ND	350	ug/kg
2-Nitrophenol	ND	350	ug/kg
4-Nitrophenol	ND	1700	ug/kg
N-Nitrosodi-n-propyl- amine	ND	350	ug/kg
N-Nitrosodiphenylamine	ND	350	ug/kg
2,2'-oxybis(1-Chloropropane)	ND	350	ug/kg
Pentachlorophenol	ND	1700	ug/kg
Phenol	ND	350	ug/kg
2,4,5-Trichloro- phenol	ND	350	ug/kg
2,4,6-Trichloro- phenol	ND	350	ug/kg

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
2,4,6-Tribromophenol	67	(21 - 144)
2-Fluorobiphenyl	63	(26 - 128)
2-Fluorophenol	69	(34 - 115)
Nitrobenzene-d5	63	(30 - 118)
Phenol-d5	72	(35 - 117)
Terphenyl-d14	96	(40 - 115)

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: 014-AETP-18 (1.5-2)

## GC/MS Semivolatiles

Lot-Sample #....: C7E110175-001    Work Order #....: JWQ2J1AD    Matrix.....: SOLID  
 Date Sampled....: 05/10/07    Date Received...: 05/11/07    MS Run #.....: 7135006  
 Prep Date.....: 05/15/07    Analysis Date...: 05/16/07  
 Prep Batch #....: 7135015    Analysis Time...: 02:56  
 Dilution Factor: 1  
 % Moisture.....: 6.5    Method.....: SW846 8270C SIM

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Naphthalene	ND	7.1	ug/kg
Acenaphthylene	2.9 J	7.1	ug/kg
Acenaphthene	ND	7.1	ug/kg
Fluorene	ND	7.1	ug/kg
Phenanthrene	6.6 J	7.1	ug/kg
Anthracene	2.6 J	7.1	ug/kg
Fluoranthene	17	7.1	ug/kg
Pyrene	15	7.1	ug/kg
Benzo(a)anthracene	13	7.1	ug/kg
Chrysene	12	7.1	ug/kg
Benzo(b)fluoranthene	17	7.1	ug/kg
Benzo(k)fluoranthene	8.0	7.1	ug/kg
Benzo(a)pyrene	14	7.1	ug/kg
Indeno(1,2,3-cd)pyrene	9.2	7.1	ug/kg
Dibenzo(a,h)anthracene	2.7 J	7.1	ug/kg
Benzo(ghi)perylene	10	7.1	ug/kg

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: 014-AETP-18 (1.5-2)

## GC Semivolatiles

Lot-Sample #....: C7E110175-001    Work Order #....: JWQ2J1A7    Matrix.....: SOLID  
 Date Sampled....: 05/10/07    Date Received...: 05/11/07    MS Run #.....: 7134030  
 Prep Date.....: 05/14/07    Analysis Date...: 05/15/07  
 Prep Batch #....: 7134038    Analysis Time...: 17:21  
 Dilution Factor: 1  
 % Moisture.....: 6.5    Method.....: SW846 8082

<u>PARAMETER</u>	<u>REPORTING</u>		
	<u>RESULT</u>	<u>LIMIT</u>	<u>UNITS</u>
Aroclor 1016	ND	18	ug/kg
Aroclor 1221	ND	18	ug/kg
Aroclor 1232	ND	18	ug/kg
Aroclor 1242	ND	18	ug/kg
Aroclor 1248	ND	18	ug/kg
Aroclor 1254	ND	18	ug/kg
Aroclor 1260	ND	18	ug/kg

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>	
		<u>RECOVERY</u>	<u>LIMITS</u>
Tetrachloro-m-xylene	84	(31 - 127)	
Decachlorobiphenyl	86	(23 - 141)	

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

Langan Engineering & Environmental Svcs

**Client Sample ID: 014-AKTP-18 (1.5-2)**

## **TOTAL Metals**

Lot-Sample #...: C7E110175-001

Date Sampled...: 05/10/07

Date Received.: 05/11/07

Moisture: 6.5

**Matrix.....: SOLID**

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
<b>Prep Batch #....: 7134064</b>						
Silver	0.017 B	0.11	mg/kg	SW846 6020	05/14-05/16/07	JWQ2J1AF
		Dilution Factor: 1		Analysis Time...: 19:11	MS Run #.....:	7134039
Aluminum	5290	3.2	mg/kg	SW846 6020	05/14-05/16/07	JWQ2J1AG
		Dilution Factor: 1		Analysis Time...: 19:11	MS Run #.....:	7134039
Arsenic	7.4	0.11	mg/kg	SW846 6020	05/14-05/16/07	JWQ2J1AH
		Dilution Factor: 1		Analysis Time...: 19:11	MS Run #.....:	7134039
Barium	23.8 J	1.1	mg/kg	SW846 6020	05/14-05/16/07	JWQ2J1AJ
		Dilution Factor: 1		Analysis Time...: 19:11	MS Run #.....:	7134039
Beryllium	0.37	0.11	mg/kg	SW846 6020	05/14-05/16/07	JWQ2J1AK
		Dilution Factor: 1		Analysis Time...: 19:11	MS Run #.....:	7134039
Calcium	1660	10.7	mg/kg	SW846 6020	05/14-05/16/07	JWQ2J1AL
		Dilution Factor: 1		Analysis Time...: 19:11	MS Run #.....:	7134039
Cadmium	0.12	0.11	mg/kg	SW846 6020	05/14-05/16/07	JWQ2J1AM
		Dilution Factor: 1		Analysis Time...: 19:11	MS Run #.....:	7134039
Cobalt	4.3	0.053	mg/kg	SW846 6020	05/14-05/16/07	JWQ2J1AN
		Dilution Factor: 1		Analysis Time...: 19:11	MS Run #.....:	7134039
Chromium	12.6 J	0.21	mg/kg	SW846 6020	05/14-05/16/07	JWQ2J1AP
		Dilution Factor: 1		Analysis Time...: 19:11	MS Run #.....:	7134039
Copper	7.8	0.21	mg/kg	SW846 6020	05/14-05/16/07	JWQ2J1AQ
		Dilution Factor: 1		Analysis Time...: 19:11	MS Run #.....:	7134039
Iron	12100	5.3	mg/kg	SW846 6020	05/14-05/16/07	JWQ2J1AR
		Dilution Factor: 1		Analysis Time...: 19:11	MS Run #.....:	7134039
Potassium	859	10.7	mg/kg	SW846 6020	05/14-05/16/07	JWQ2J1AT
		Dilution Factor: 1		Analysis Time...: 19:11	MS Run #.....:	7134039

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## Langan Engineering &amp; Environmental Svcs

Client Sample ID: 014-AETP-18 (1.5-2)

## TOTAL Metals

Lot-Sample #....: C7E110175-001

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION-	WORK
		LIMIT	UNITS			ANALYSIS DATE	ORDER #
Magnesium	2260	10.7	mg/kg	SW846 6020	Analysis Time...: 19:11	05/14-05/16/07	JWQ2J1AU MS Run #.....: 7134039
		Dilution Factor: 1					
Manganese	320	0.053	mg/kg	SW846 6020	Analysis Time...: 19:11	05/14-05/16/07	JWQ2J1AV MS Run #.....: 7134039
		Dilution Factor: 1					
Sodium	38.3	10.7	mg/kg	SW846 6020	Analysis Time...: 19:11	05/14-05/16/07	JWQ2J1AW MS Run #.....: 7134039
		Dilution Factor: 1					
Nickel	8.9	0.11	mg/kg	SW846 6020	Analysis Time...: 19:11	05/14-05/16/07	JWQ2J1AX MS Run #.....: 7134039
		Dilution Factor: 1					
Lead	6.3	0.11	mg/kg	SW846 6020	Analysis Time...: 19:11	05/14-05/16/07	JWQ2J1AO MS Run #.....: 7134039
		Dilution Factor: 1					
Selenium	0.38 B	0.53	mg/kg	SW846 6020	Analysis Time...: 19:11	05/14-05/16/07	JWQ2J1A1 MS Run #.....: 7134039
		Dilution Factor: 1					
Thallium	0.037 B,J	0.11	mg/kg	SW846 6020	Analysis Time...: 19:11	05/14-05/16/07	JWQ2J1A2 MS Run #.....: 7134039
		Dilution Factor: 1					
Antimony	0.058 B	0.21	mg/kg	SW846 6020	Analysis Time...: 19:11	05/14-05/16/07	JWQ2J1A3 MS Run #.....: 7134039
		Dilution Factor: 1					
Vanadium	13.0 J	0.11	mg/kg	SW846 6020	Analysis Time...: 19:11	05/14-05/16/07	JWQ2J1A4 MS Run #.....: 7134039
		Dilution Factor: 1					
Zinc	26.6 J	0.53	mg/kg	SW846 6020	Analysis Time...: 19:11	05/14-05/16/07	JWQ2J1A5 MS Run #.....: 7134039
		Dilution Factor: 1					
<b>Prep Batch #....: 7150069</b>							
Mercury	ND	0.035	mg/kg	SW846 7471A	Analysis Time...: 15:06	05/30/07	JWQ2J1A6 MS Run #.....: 7150055
		Dilution Factor: 1					

**NOTE(S) :**

Results and reporting limits have been adjusted for dry weight.

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Svcs

Client Sample ID: 014-AETP-18 (1.5-2)

General Chemistry

Lot-Sample #....: C7E110175-001    Work Order #....: JWQ2J    Matrix.....: SOLID  
Date Sampled...: 05/10/07    Date Received..: 05/11/07  
% Moisture.....: 6.5

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-	PREP
					ANALYSIS DATE	BATCH #
Percent Solids	93.5		%	MCAWW 160.3 MOD	05/11-05/12/07	7131209
		Dilution Factor:	1	Analysis Time..: 08:17		MS Run #.....: 7131153

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: 015-AETP-18 (14.5-15)

## GC/MS Volatiles

Lot-Sample #....: C7E110175-002    Work Order #....: JWQ2L1AK    Matrix.....: SOLID  
 Date Sampled....: 05/10/07    Date Received...: 05/11/07    MS Run #.....:  
 Prep Date.....: 05/17/07    Analysis Date...: 05/17/07  
 Prep Batch #....: 7137087    Analysis Time...: 07:26  
 Dilution Factor: 1.13  
 \* Moisture.....: 5.2    Method.....: SW846 8260B

PARAMETER	REPORTING		
	RESULT	LIMIT	UNITS
Acetone	ND	24	ug/kg
Benzene	ND	6.0	ug/kg
Bromodichloromethane	ND	6.0	ug/kg
Bromoform	ND	6.0	ug/kg
Bromomethane	ND	6.0	ug/kg
2-Butanone	ND	6.0	ug/kg
Carbon disulfide	ND	6.0	ug/kg
Carbon tetrachloride	ND	6.0	ug/kg
Chlorobenzene	ND	6.0	ug/kg
Chloroethane	ND	6.0	ug/kg
Chloroform	ND	6.0	ug/kg
Chloromethane	ND	6.0	ug/kg
Cyclohexane	ND	6.0	ug/kg
Dibromochloromethane	ND	6.0	ug/kg
1,2-Dibromo-3-chloro-propane	ND	6.0	ug/kg
1,2-Dibromoethane	ND	6.0	ug/kg
1,3-Dichlorobenzene	ND	6.0	ug/kg
1,4-Dichlorobenzene	ND	6.0	ug/kg
1,2-Dichlorobenzene	ND	6.0	ug/kg
Dichlorodifluoromethane	ND	6.0	ug/kg
1,1-Dichloroethane	ND	6.0	ug/kg
1,2-Dichloroethane	ND	6.0	ug/kg
1,1-Dichloroethene	ND	6.0	ug/kg
cis-1,2-Dichloroethene	ND	6.0	ug/kg
trans-1,2-Dichloroethene	ND	6.0	ug/kg
1,2-Dichloropropane	ND	6.0	ug/kg
cis-1,3-Dichloropropene	ND	6.0	ug/kg
trans-1,3-Dichloropropene	ND	6.0	ug/kg
Ethylbenzene	ND	6.0	ug/kg
2-Hexanone	ND	6.0	ug/kg
Isopropylbenzene	ND	6.0	ug/kg
Methyl acetate	ND	6.0	ug/kg
Methylene chloride	ND	6.0	ug/kg
Methylcyclohexane	ND	6.0	ug/kg
4-Methyl-2-pentanone	ND	6.0	ug/kg
Methyl tert-butyl ether	ND	6.0	ug/kg
Styrene	ND	6.0	ug/kg

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## Langan Engineering &amp; Environmental Svcs

Client Sample ID: 015-AETP-18 (14.5-15)

## GC/MS Volatiles

Lot-Sample #....: C7E110175-002 Work Order #....: JWQ2L1AK Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,1,2,2-Tetrachloroethane	ND	6.0	ug/kg
1,2,4-Trichloro- benzene	ND	6.0	ug/kg
Tetrachloroethene	ND	6.0	ug/kg
1,1,1-Trichloroethane	ND	6.0	ug/kg
1,1,2-Trichloroethane	ND	6.0	ug/kg
Trichloroethene	ND	6.0	ug/kg
Trichlorofluoromethane	ND	6.0	ug/kg
1,1,2-Trichloro- 1,2,2-trifluoroethane	ND	6.0	ug/kg
Toluene	ND	6.0	ug/kg
Vinyl chloride	ND	6.0	ug/kg
Xylenes (total)	ND	18	ug/kg
<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	
1,2-Dichloroethane-d4	94	(52 - 124)	
Toluene-d8	103	(72 - 127)	
4-Bromofluorobenzene	99	(63 - 120)	
Dibromofluoromethane	93	(68 - 121)	

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: 015-AETP-18 (14.5-15)

## GC/MS Semivolatiles

Lot-Sample #....: C7E110175-002      Work Order #....: JWQ2L1AL      Matrix.....: SOLID  
 Date Sampled....: 05/10/07      Date Received...: 05/11/07      MS Run #.....: 7135005  
 Prep Date.....: 05/15/07      Analysis Date...: 05/31/07  
 Prep Batch #....: 7135014      Analysis Time...: 09:02  
 Dilution Factor: 1  
 % Moisture.....: 5.2      Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Acetophenone	ND	350	ug/kg
Atrazine	ND	350	ug/kg
Benzaldehyde	ND	350	ug/kg
1,1'-Biphenyl	ND	350	ug/kg
bis(2-Chloroethoxy) methane	ND	350	ug/kg
bis(2-Chloroethyl)- ether	ND	350	ug/kg
bis(2-Ethylhexyl) phthalate	ND	350	ug/kg
4-Bromophenyl phenyl ether	ND	350	ug/kg
Butyl benzyl phthalate	ND	350	ug/kg
Caprolactam	ND	350	ug/kg
Carbazole	ND	350	ug/kg
4-Chloroaniline	ND	350	ug/kg
4-Chloro-3-methylphenol	ND	350	ug/kg
2-Chloronaphthalene	ND	350	ug/kg
2-Chlorophenol	ND	350	ug/kg
4-Chlorophenyl phenyl ether	ND	350	ug/kg
Dibenzofuran	ND	350	ug/kg
3,3'-Dichlorobenzidine	ND	1700	ug/kg
2,4-Dichlorophenol	ND	350	ug/kg
Diethyl phthalate	ND	350	ug/kg
2,4-Dimethylphenol	ND	350	ug/kg
Dimethyl phthalate	ND	350	ug/kg
Di-n-butyl phthalate	ND	350	ug/kg
4,6-Dinitro- 2-methylphenol	ND	1700	ug/kg
2,4-Dinitrophenol	ND	1700	ug/kg
2,4-Dinitrotoluene	ND	350	ug/kg
2,6-Dinitrotoluene	ND	350	ug/kg
Di-n-octyl phthalate	ND	350	ug/kg
Hexachlorobenzene	ND	350	ug/kg
Hexachlorobutadiene	ND	350	ug/kg
Hexachlorocyclopenta- diene	ND	1700	ug/kg

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## Langan Engineering &amp; Environmental Svcs

Client Sample ID: 015-AETP-18 (14.5-15)

## GC/MS Semivolatiles

Lot-Sample #....: C7E110175-002 Work Order #....: JWQ2L1AL Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Hexachloroethane	ND	350	ug/kg
Isophorone	ND	350	ug/kg
2-Methylnaphthalene	ND	350	ug/kg
2-Methylphenol	ND	350	ug/kg
4-Methylphenol	ND	350	ug/kg
2-Nitroaniline	ND	1700	ug/kg
3-Nitroaniline	ND	1700	ug/kg
4-Nitroaniline	ND	1700	ug/kg
Nitrobenzene	ND	350	ug/kg
2-Nitrophenol	ND	350	ug/kg
4-Nitrophenol	ND	1700	ug/kg
N-Nitrosodi-n-propyl-amine	ND	350	ug/kg
N-Nitrosodiphenylamine	ND	350	ug/kg
2,2'-oxybis(1-Chloropropane)	ND	350	ug/kg
Pentachlorophenol	ND	1700	ug/kg
Phenol	ND	350	ug/kg
2,4,5-Trichloro-phenol	ND	350	ug/kg
2,4,6-Trichloro-phenol	ND	350	ug/kg

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
2,4,6-Tribromophenol	60	(21 - 144)
2-Fluorobiphenyl	56	(26 - 128)
2-Fluorophenol	65	(34 - 115)
Nitrobenzene-d5	56	(30 - 118)
Phenol-d5	70	(35 - 117)
Terphenyl-d14	98	(40 - 115)

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: 015-AETP-18 (14.5-15)

## GC/MS Semivolatiles

Lot-Sample #....: C7E110175-002      Work Order #....: JWQ2L1AM      Matrix.....: SOLID  
 Date Sampled....: 05/10/07      Date Received...: 05/11/07      MS Run #.....: 7135006  
 Prep Date.....: 05/15/07      Analysis Date...: 05/16/07  
 Prep Batch #....: 7135015      Analysis Time...: 03:23  
 Dilution Factor: 1  
 % Moisture.....: 5.2      Method.....: SW846 8270C SIM

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
Naphthalene	ND	7.0	ug/kg
Acenaphthylene	ND	7.0	ug/kg
Acenaphthene	ND	7.0	ug/kg
Fluorene	ND	7.0	ug/kg
Phenanthrene	3.2 J	7.0	ug/kg
Anthracene	ND	7.0	ug/kg
Fluoranthene	3.1 J	7.0	ug/kg
Pyrene	2.5 J	7.0	ug/kg
Benzo(a)anthracene	1.7 J	7.0	ug/kg
Chrysene	1.5 J	7.0	ug/kg
Benzo(b)fluoranthene	2.1 J	7.0	ug/kg
Benzo(k)fluoranthene	ND	7.0	ug/kg
Benzo(a)pyrene	ND	7.0	ug/kg
Indeno(1,2,3-cd)pyrene	ND	7.0	ug/kg
Dibenzo(a,h)anthracene	ND	7.0	ug/kg
Benzo(ghi)perylene	1.3 J	7.0	ug/kg

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: 015-AETP-18 (14.5-15)

## GC Semivolatiles

Lot-Sample #....: C7E110175-002    Work Order #....: JWQ2L1AJ    Matrix.....: SOLID  
 Date Sampled....: 05/10/07    Date Received...: 05/11/07    MS Run #.....: 7134030  
 Prep Date.....: 05/14/07    Analysis Date...: 05/15/07  
 Prep Batch #....: 7134038    Analysis Time...: 18:30  
 Dilution Factor: 1  
 % Moisture.....: 5.2    Method.....: SW846 8082

<u>PARAMETER</u>	<u>REPORTING</u>		
	<u>RESULT</u>	<u>LIMIT</u>	<u>UNITS</u>
Aroclor 1016	ND	18	ug/kg
Aroclor 1221	ND	18	ug/kg
Aroclor 1232	ND	18	ug/kg
Aroclor 1242	ND	18	ug/kg
Aroclor 1248	ND	18	ug/kg
Aroclor 1254	ND	18	ug/kg
Aroclor 1260	ND	18	ug/kg

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>
Tetrachloro-m-xylene	93	(31 - 127)
Decachlorobiphenyl	95	(23 - 141)

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: 015-AETP-18 (14.5-15)

## TOTAL Metals

Lot-Sample #....: C7E110175-002  
 Date Sampled...: 05/10/07  
 % Moisture.....: 5.2  
 Date Received...: 05/11/07  
 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
<b>Prep Batch #....: 7134064</b>						
Silver	0.0073 B	0.11	mg/kg	SW846 6020	05/14-05/16/07	JWQ2L1AP
		Dilution Factor: 1		Analysis Time...: 19:15	MS Run #.....:	7134039
Aluminum	3290	3.2	mg/kg	SW846 6020	05/14-05/16/07	JWQ2L1AQ
		Dilution Factor: 1		Analysis Time...: 19:15	MS Run #.....:	7134039
Arsenic	3.5	0.11	mg/kg	SW846 6020	05/14-05/16/07	JWQ2L1AR
		Dilution Factor: 1		Analysis Time...: 19:15	MS Run #.....:	7134039
Barium	17.6 J	1.1	mg/kg	SW846 6020	05/14-05/16/07	JWQ2L1AT
		Dilution Factor: 1		Analysis Time...: 19:15	MS Run #.....:	7134039
Beryllium	0.40	0.11	mg/kg	SW846 6020	05/14-05/16/07	JWQ2L1AU
		Dilution Factor: 1		Analysis Time...: 19:15	MS Run #.....:	7134039
Calcium	290	10.5	mg/kg	SW846 6020	05/14-05/16/07	JWQ2L1AV
		Dilution Factor: 1		Analysis Time...: 19:15	MS Run #.....:	7134039
Cadmium	0.084 B	0.11	mg/kg	SW846 6020	05/14-05/16/07	JWQ2L1AW
		Dilution Factor: 1		Analysis Time...: 19:15	MS Run #.....:	7134039
Cobalt	2.0	0.053	mg/kg	SW846 6020	05/14-05/16/07	JWQ2L1AX
		Dilution Factor: 1		Analysis Time...: 19:15	MS Run #.....:	7134039
Chromium	20.2 J	0.21	mg/kg	SW846 6020	05/14-05/16/07	JWQ2L1AO
		Dilution Factor: 1		Analysis Time...: 19:15	MS Run #.....:	7134039
Copper	4.0	0.21	mg/kg	SW846 6020	05/14-05/16/07	JWQ2L1AL
		Dilution Factor: 1		Analysis Time...: 19:15	MS Run #.....:	7134039
Iron	12800	5.3	mg/kg	SW846 6020	05/14-05/16/07	JWQ2L1A2
		Dilution Factor: 1		Analysis Time...: 19:15	MS Run #.....:	7134039
Potassium	1560	10.5	mg/kg	SW846 6020	05/14-05/16/07	JWQ2L1A3
		Dilution Factor: 1		Analysis Time...: 19:15	MS Run #.....:	7134039

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## Langan Engineering &amp; Environmental Svcs

Client Sample ID: 015-AETP-18 (14.5-15)

## TOTAL Metals

Lot-Sample #....: C7E110175-002

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS				
Magnesium	1150	10.5	mg/kg	SW846 6020	Dilution Factor: 1	Analysis Time...: 19:15	05/14-05/16/07 JWQ2L1A4 MS Run #.....: 7134039
Manganese	130	0.053	mg/kg	SW846 6020	Dilution Factor: 1	Analysis Time...: 19:15	05/14-05/16/07 JWQ2L1A5 MS Run #.....: 7134039
Sodium	20.6	10.5	mg/kg	SW846 6020	Dilution Factor: 1	Analysis Time...: 19:15	05/14-05/16/07 JWQ2L1A6 MS Run #.....: 7134039
Nickel	5.9	0.11	mg/kg	SW846 6020	Dilution Factor: 1	Analysis Time...: 19:15	05/14-05/16/07 JWQ2L1A7 MS Run #.....: 7134039
Lead	2.7	0.11	mg/kg	SW846 6020	Dilution Factor: 1	Analysis Time...: 19:15	05/14-05/16/07 JWQ2L1AA MS Run #.....: 7134039
Selenium	0.29 B	0.53	mg/kg	SW846 6020	Dilution Factor: 1	Analysis Time...: 19:15	05/14-05/16/07 JWQ2L1AC MS Run #.....: 7134039
Thallium	0.023 B,J	0.11	mg/kg	SW846 6020	Dilution Factor: 1	Analysis Time...: 19:15	05/14-05/16/07 JWQ2L1AD MS Run #.....: 7134039
Antimony	0.043 B	0.21	mg/kg	SW846 6020	Dilution Factor: 1	Analysis Time...: 19:15	05/14-05/16/07 JWQ2L1AE MS Run #.....: 7134039
Vanadium	13.7 J	0.11	mg/kg	SW846 6020	Dilution Factor: 1	Analysis Time...: 19:15	05/14-05/16/07 JWQ2L1AF MS Run #.....: 7134039
Zinc	19.9 J	0.53	mg/kg	SW846 6020	Dilution Factor: 1	Analysis Time...: 19:15	05/14-05/16/07 JWQ2L1AG MS Run #.....: 7134039
Mercury	ND	0.035	mg/kg	SW846 7471A	Dilution Factor: 1	Analysis Time...: 15:11	05/30/07 JWQ2L1AH MS Run #.....: 7150055

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Svcs

Client Sample ID: 015-AETP-18 (14.5-15)

General Chemistry

Lot-Sample #....: C7E110175-002    Work Order #....: JWQ2L    Matrix.....: SOLID  
Date Sampled...: 05/10/07    Date Received..: 05/11/07  
\* Moisture.....: 5.2

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-	PREP
					ANALYSIS DATE	BATCH #
Percent Solids	94.8		%	MCAWW 160.3 MOD	05/11-05/12/07	7131209
		Dilution Factor:	1	Analysis Time...: 08:17	MS Run #.....:	7131153

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: 016-AETP-19 (1.5-2)

## GC/MS Volatiles

Lot-Sample #....: C7E110175-003    Work Order #....: JWQ2M1AK    Matrix.....: SOLID  
 Date Sampled....: 05/10/07    Date Received...: 05/11/07    MS Run #.....:  
 Prep Date.....: 05/16/07    Analysis Date...: 05/17/07  
 Prep Batch #....: 7136651    Analysis Time...: 02:41  
 Dilution Factor: 1.04  
 \* Moisture.....: 8.0    Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	23	ug/kg
Benzene	ND	5.6	ug/kg
Bromodichloromethane	ND	5.6	ug/kg
Bromoform	ND	5.6	ug/kg
Bromomethane	ND	5.6	ug/kg
2-Butanone	ND	5.6	ug/kg
Carbon disulfide	ND	5.6	ug/kg
Carbon tetrachloride	ND	5.6	ug/kg
Chlorobenzene	ND	5.6	ug/kg
Chloroethane	ND	5.6	ug/kg
Chloroform	ND	5.6	ug/kg
Chloromethane	ND	5.6	ug/kg
Cyclohexane	ND	5.6	ug/kg
Dibromochloromethane	ND	5.6	ug/kg
1,2-Dibromo-3-chloro-propane	ND	5.6	ug/kg
1,2-Dibromoethane	ND	5.6	ug/kg
1,3-Dichlorobenzene	ND	5.6	ug/kg
1,4-Dichlorobenzene	ND	5.6	ug/kg
1,2-Dichlorobenzene	ND	5.6	ug/kg
Dichlorodifluoromethane	ND	5.6	ug/kg
1,1-Dichloroethane	ND	5.6	ug/kg
1,2-Dichloroethane	ND	5.6	ug/kg
1,1-Dichloroethene	ND	5.6	ug/kg
cis-1,2-Dichloroethene	ND	5.6	ug/kg
trans-1,2-Dichloroethene	ND	5.6	ug/kg
1,2-Dichloropropane	ND	5.6	ug/kg
cis-1,3-Dichloropropene	ND	5.6	ug/kg
trans-1,3-Dichloropropene	ND	5.6	ug/kg
Ethylbenzene	ND	5.6	ug/kg
2-Hexanone	ND	5.6	ug/kg
Isopropylbenzene	ND	5.6	ug/kg
Methyl acetate	ND	5.6	ug/kg
Methylene chloride	0.87 J,B	5.6	ug/kg
Methylcyclohexane	ND	5.6	ug/kg
4-Methyl-2-pentanone	ND	5.6	ug/kg
Methyl tert-butyl ether	ND	5.6	ug/kg
Styrene	ND	5.6	ug/kg

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## Langan Engineering &amp; Environmental Svcs

Client Sample ID: 016-AKTP-19 (1.5-2)

## GC/MS Volatiles

Lot-Sample #....: C7E110175-003 Work Order #....: JWQ2M1AK Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,1,2,2-Tetrachloroethane	ND	5.6	ug/kg
1,2,4-Trichloro- benzene	ND	5.6	ug/kg
Tetrachloroethene	ND	5.6	ug/kg
1,1,1-Trichloroethane	ND	5.6	ug/kg
1,1,2-Trichloroethane	ND	5.6	ug/kg
Trichloroethene	ND	5.6	ug/kg
Trichlorofluoromethane	ND	5.6	ug/kg
1,1,2-Trichloro- 1,2,2-trifluoroethane	ND	5.6	ug/kg
Toluene	ND	5.6	ug/kg
Vinyl chloride	ND	5.6	ug/kg
Xylenes (total)	ND	17	ug/kg

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
1,2-Dichloroethane-d4	65	(52 - 124)
Toluene-d8	101	(72 - 127)
4-Bromofluorobenzene	83	(63 - 120)
Dibromofluoromethane	78	(68 - 121)

NOTE (S) :

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: 016-AFTP-19 (1.5-2)

## GC/MS Semivolatiles

Lot-Sample #....: C7E110175-003      Work Order #....: JWQ2M1AL      Matrix.....: SOLID  
 Date Sampled....: 05/10/07      Date Received...: 05/11/07      MS Run #.....: 7135005  
 Prep Date.....: 05/15/07      Analysis Date...: 05/31/07  
 Prep Batch #....: 7135014      Analysis Time...: 09:30  
 Dilution Factor: 10  
 % Moisture.....: 8.0      Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetophenone	ND	3600	ug/kg
Atrazine	ND	3600	ug/kg
Benzaldehyde	ND	3600	ug/kg
1,1'-Biphenyl	ND	3600	ug/kg
bis(2-Chloroethoxy) methane	ND	3600	ug/kg
bis(2-Chloroethyl)- ether	ND	3600	ug/kg
bis(2-Ethylhexyl) phthalate	ND	3600	ug/kg
4-Bromophenyl phenyl ether	ND	3600	ug/kg
Butyl benzyl phthalate	ND	3600	ug/kg
Caprolactam	ND	3600	ug/kg
Carbazole	7000	3600	ug/kg
4-Chloroaniline	ND	3600	ug/kg
4-Chloro-3-methylphenol	ND	3600	ug/kg
2-Chloronaphthalene	ND	3600	ug/kg
2-Chlorophenol	ND	3600	ug/kg
4-Chlorophenyl phenyl ether	ND	3600	ug/kg
Dibenzofuran	3700	3600	ug/kg
3,3'-Dichlorobenzidine	ND	17000	ug/kg
2,4-Dichlorophenol	ND	3600	ug/kg
Diethyl phthalate	ND	3600	ug/kg
2,4-Dimethylphenol	ND	3600	ug/kg
Dimethyl phthalate	ND	3600	ug/kg
Di-n-butyl phthalate	ND	3600	ug/kg
4,6-Dinitro- 2-methylphenol	ND	17000	ug/kg
2,4-Dinitrophenol	ND	17000	ug/kg
2,4-Dinitrotoluene	ND	3600	ug/kg
2,6-Dinitrotoluene	ND	3600	ug/kg
Di-n-octyl phthalate	ND	3600	ug/kg
Hexachlorobenzene	ND	3600	ug/kg
Hexachlorobutadiene	ND	3600	ug/kg
Hexachlorocyclopenta- diene	ND	17000	ug/kg

(Continued on next page)

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: 016-AETP-19 (1.5-2)

## GC/MS Semivolatiles

Lot-Sample #....: C7E110175-003 Work Order #....: JWQ2M1AL Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Hexachloroethane	ND	3600	ug/kg
Isophorone	ND	3600	ug/kg
<b>2-Methylnaphthalene</b>	<b>1300 J</b>	<b>3600</b>	<b>ug/kg</b>
2-Methylphenol	ND	3600	ug/kg
4-Methylphenol	ND	3600	ug/kg
2-Nitroaniline	ND	17000	ug/kg
3-Nitroaniline	ND	17000	ug/kg
4-Nitroaniline	ND	17000	ug/kg
Nitrobenzene	ND	3600	ug/kg
2-Nitrophenol	ND	3600	ug/kg
4-Nitrophenol	ND	17000	ug/kg
N-Nitrosodi-n-propyl-amine	ND	3600	ug/kg
N-Nitrosodiphenylamine	ND	3600	ug/kg
2,2'-oxybis(1-Chloropropane)	ND	3600	ug/kg
Pentachlorophenol	ND	17000	ug/kg
Phenol	ND	3600	ug/kg
2,4,5-Trichloro-phenol	ND	3600	ug/kg
2,4,6-Trichloro-phenol	ND	3600	ug/kg

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
2,4,6-Tribromophenol	78	(21 - 144)
2-Fluorobiphenyl	86	(26 - 128)
2-Fluorophenol	78	(34 - 115)
Nitrobenzene-d5	77	(30 - 118)
Phenol-d5	88	(35 - 117)
Terphenyl-d14	96	(40 - 115)

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: 016-AETP-19 (1.5-2)

## GC/MS Semivolatiles

Lot-Sample #....: C7E110175-003	Work Order #....: JWQ2M1AM	Matrix.....: SOLID
Date Sampled....: 05/10/07	Date Received...: 05/11/07	MS Run #.....: 7135006
Prep Date.....: 05/15/07	Analysis Date...: 05/16/07	
Prep Batch #....: 7135015	Analysis Time...: 03:51	
Dilution Factor: 10		
% Moisture.....: 8.0	Method.....: SW846 8270C SIM	

<u>PARAMETER</u>	<u>REPORTING</u>		
	<u>RESULT</u>	<u>LIMIT</u>	<u>UNITS</u>
Naphthalene	2900	72	ug/kg
Acenaphthylene	420	72	ug/kg
Acenaphthene	5700	72	ug/kg
Fluorene	4300	72	ug/kg
Phenanthrene	22000 E	72	ug/kg
Anthracene	7800 E	72	ug/kg
Fluoranthene	31000 E	72	ug/kg
Pyrene	22000 E	72	ug/kg
Benzo(a)anthracene	16000 E	72	ug/kg
Chrysene	15000 E	72	ug/kg
Benzo(b)fluoranthene	19000 E	72	ug/kg
Benzo(k)fluoranthene	6700	72	ug/kg
Benzo(a)pyrene	16000 E	72	ug/kg
Indeno(1,2,3-cd)pyrene	9900 E	72	ug/kg
Dibenzo(a,h)anthracene	3500	72	ug/kg
Benzo(ghi)perylene	11000 E	72	ug/kg

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

E Estimated result. Result concentration exceeds the calibration range.

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: 016-AETP-19 (1.5-2)

## GC/MS Semivolatiles

Lot-Sample #....: C7E110175-003      Work Order #....: JWQ2M2AM      Matrix.....: SOLID  
 Date Sampled....: 05/10/07      Date Received...: 05/11/07      MS Run #.....: 7135006  
 Prep Date.....: 05/15/07      Analysis Date...: 05/16/07  
 Prep Batch #....: 7135015      Analysis Time...: 07:35  
 Dilution Factor: 100  
 % Moisture.....: 8.0      Method.....: SW846 8270C SIM

<u>PARAMETER</u>	<u>REPORTING</u>		
	<u>RESULT</u>	<u>LIMIT</u>	<u>UNITS</u>
Naphthalene	3800	720	ug/kg
Acenaphthylene	600 J	720	ug/kg
Acenaphthene	7600	720	ug/kg
Fluorene	6000	720	ug/kg
Phenanthrene	37000	720	ug/kg
Anthracene	11000	720	ug/kg
Fluoranthene	50000	720	ug/kg
Pyrene	37000	720	ug/kg
Benzo (a) anthracene	25000	720	ug/kg
Chrysene	25000	720	ug/kg
Benzo (b) fluoranthene	29000	720	ug/kg
Benzo (k) fluoranthene	13000	720	ug/kg
Benzo (a) pyrene	23000	720	ug/kg
Indeno (1, 2, 3-cd) pyrene	14000	720	ug/kg
Dibenzo (a, h) anthracene	4200	720	ug/kg
Benzo (ghi) perylene	16000	720	ug/kg

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: 016-AETP-19 (1.5-2)

## GC Semivolatiles

Lot-Sample #....: C7E110175-003    Work Order #....: JWQ2M1AJ    Matrix.....: SOLID  
 Date Sampled....: 05/10/07    Date Received...: 05/11/07    MS Run #.....: 7134030  
 Prep Date.....: 05/14/07    Analysis Date...: 05/15/07  
 Prep Batch #....: 7134038    Analysis Time...: 18:54  
 Dilution Factor: 1  
 \* Moisture.....: 8.0    Method.....: SW846 8082

<u>PARAMETER</u>	<u>REPORTING</u>		
	<u>RESULT</u>	<u>LIMIT</u>	<u>UNITS</u>
Aroclor 1016	ND	18	ug/kg
Aroclor 1221	ND	18	ug/kg
Aroclor 1232	ND	18	ug/kg
Aroclor 1242	ND	18	ug/kg
<b>Aroclor 1248</b>	<b>20</b>	<b>18</b>	<b>ug/kg</b>
Aroclor 1254	ND	18	ug/kg
<b>Aroclor 1260</b>	<b>55</b>	<b>18</b>	<b>ug/kg</b>

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>	
		<u>RECOVERY</u>	<u>LIMITS</u>
Tetrachloro-m-xylene	91	(31 - 127)	
Decachlorobiphenyl	79	(23 - 141)	

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: 016-AETP-19 (1.5-2)

## TOTAL Metals

Lot-Sample #....: C7E110175-003 Matrix.....: SOLID  
 Date Sampled....: 05/10/07 Date Received...: 05/11/07  
 \* Moisture.....: 8.0

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS				
<b>Prep Batch #....: 7134064</b>							
Silver	0.25	0.11	mg/kg	SW846 6020	Analysis Time...: 19:20	05/14-05/16/07 JWQ2M1AP	MS Run #.....: 7134039
		Dilution Factor: 1					
Aluminum	6900	3.3	mg/kg	SW846 6020	Analysis Time...: 19:20	05/14-05/16/07 JWQ2M1AQ	MS Run #.....: 7134039
		Dilution Factor: 1					
Arsenic	3.1	0.11	mg/kg	SW846 6020	Analysis Time...: 19:20	05/14-05/16/07 JWQ2M1AR	MS Run #.....: 7134039
		Dilution Factor: 1					
Barium	103 J	1.1	mg/kg	SW846 6020	Analysis Time...: 19:20	05/14-05/16/07 JWQ2M1AT	MS Run #.....: 7134039
		Dilution Factor: 1					
Beryllium	0.61	0.11	mg/kg	SW846 6020	Analysis Time...: 19:20	05/14-05/16/07 JWQ2M1AU	MS Run #.....: 7134039
		Dilution Factor: 1					
Calcium	64000	10.9	mg/kg	SW846 6020	Analysis Time...: 19:20	05/14-05/16/07 JWQ2M1AV	MS Run #.....: 7134039
		Dilution Factor: 1					
Cadmium	0.51	0.11	mg/kg	SW846 6020	Analysis Time...: 19:20	05/14-05/16/07 JWQ2M1AW	MS Run #.....: 7134039
		Dilution Factor: 1					
Cobalt	4.0	0.054	mg/kg	SW846 6020	Analysis Time...: 19:20	05/14-05/16/07 JWQ2M1AX	MS Run #.....: 7134039
		Dilution Factor: 1					
Chromium	391 J	0.22	mg/kg	SW846 6020	Analysis Time...: 19:20	05/14-05/16/07 JWQ2M1A0	MS Run #.....: 7134039
		Dilution Factor: 1					
Copper	31.4	0.22	mg/kg	SW846 6020	Analysis Time...: 19:20	05/14-05/16/07 JWQ2M1A1	MS Run #.....: 7134039
		Dilution Factor: 1					
Iron	64400	54.3	mg/kg	SW846 6020	Analysis Time...: 19:24	05/14-05/16/07 JWQ2M1A2	MS Run #.....: 7134039
		Dilution Factor: 10					
Potassium	589	10.9	mg/kg	SW846 6020	Analysis Time...: 19:20	05/14-05/16/07 JWQ2M1A3	MS Run #.....: 7134039
		Dilution Factor: 1					

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## Langan Engineering &amp; Environmental Svcs

Client Sample ID: 016-AETP-19 (1.5-2)

## TOTAL Metals

Lot-Sample #....: C7E110175-003

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION-	WORK
		LIMIT	UNITS			ANALYSIS DATE	ORDER #
Magnesium	19200	10.9	mg/kg	SW846 6020	05/14-05/16/07	JWQ2M1A4	
		Dilution Factor: 1		Analysis Time...: 19:20		MS Run #.....:	7134039
Manganese	8020	0.54	mg/kg	SW846 6020	05/14-05/16/07	JWQ2M1A5	
		Dilution Factor: 10		Analysis Time...: 19:24		MS Run #.....:	7134039
Sodium	782	10.9	mg/kg	SW846 6020	05/14-05/16/07	JWQ2M1A6	
		Dilution Factor: 1		Analysis Time...: 19:20		MS Run #.....:	7134039
Nickel	11.2	0.11	mg/kg	SW846 6020	05/14-05/16/07	JWQ2M1A7	
		Dilution Factor: 1		Analysis Time...: 19:20		MS Run #.....:	7134039
Lead	97.6	0.11	mg/kg	SW846 6020	05/14-05/16/07	JWQ2M1AA	
		Dilution Factor: 1		Analysis Time...: 19:20		MS Run #.....:	7134039
Selenium	0.38 B	0.54	mg/kg	SW846 6020	05/14-05/16/07	JWQ2M1AC	
		Dilution Factor: 1		Analysis Time...: 19:20		MS Run #.....:	7134039
Thallium	0.043 B,J	0.11	mg/kg	SW846 6020	05/14-05/16/07	JWQ2M1AD	
		Dilution Factor: 1		Analysis Time...: 19:20		MS Run #.....:	7134039
Antimony	0.33	0.22	mg/kg	SW846 6020	05/14-05/16/07	JWQ2M1AE	
		Dilution Factor: 1		Analysis Time...: 19:20		MS Run #.....:	7134039
Vanadium	211 J	0.11	mg/kg	SW846 6020	05/14-05/16/07	JWQ2M1AF	
		Dilution Factor: 1		Analysis Time...: 19:20		MS Run #.....:	7134039
Zinc	81.8 J	0.54	mg/kg	SW846 6020	05/14-05/16/07	JWQ2M1AG	
		Dilution Factor: 1		Analysis Time...: 19:20		MS Run #.....:	7134039
Prep Batch #....: 7150069							
Mercury	0.014 B	0.036	mg/kg	SW846 7471A	05/30/07	JWQ2M1AH	
		Dilution Factor: 1		Analysis Time...: 15:13		MS Run #.....:	7150055

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

B Estimated result. Result is less than RL.

Langan Engineering & Environmental Svcs

Client Sample ID: 016-AETP-19 (1.5-2)

General Chemistry

Lot-Sample #....: C7E110175-003    Work Order #....: JWQ2M    Matrix.....: SOLID  
Date Sampled...: 05/10/07    Date Received..: 05/11/07  
% Moisture.....: 8.0

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-	PREP
					ANALYSIS DATE	BATCH #
Percent Solids	92.1		%	MCAWW 160.3 MOD	05/11-05/12/07	7131209
		Dilution Factor:	1	Analysis Time..: 08:17	MS Run #.....:	7131153

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: 017-AETP-19 (14.5-15)

## GC/MS Volatiles

Lot-Sample #....: C7E110175-004    Work Order #....: JWQ2P1AK    Matrix.....: SOLID  
 Date Sampled....: 05/10/07    Date Received...: 05/11/07    MS Run #.....:  
 Prep Date.....: 05/17/07    Analysis Date...: 05/17/07  
 Prep Batch #....: 7137087    Analysis Time...: 07:50  
 Dilution Factor: 1.23  
 \* Moisture.....: 7.4    Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	27	ug/kg
Benzene	ND	6.6	ug/kg
Bromodichloromethane	ND	6.6	ug/kg
Bromoform	ND	6.6	ug/kg
Bromomethane	ND	6.6	ug/kg
2-Butanone	ND	6.6	ug/kg
Carbon disulfide	ND	6.6	ug/kg
Carbon tetrachloride	ND	6.6	ug/kg
Chlorobenzene	ND	6.6	ug/kg
Chloroethane	ND	6.6	ug/kg
Chloroform	ND	6.6	ug/kg
Chloromethane	ND	6.6	ug/kg
Cyclohexane	ND	6.6	ug/kg
Dibromochloromethane	ND	6.6	ug/kg
1,2-Dibromo-3-chloro-propane	ND	6.6	ug/kg
1,2-Dibromoethane	ND	6.6	ug/kg
1,3-Dichlorobenzene	ND	6.6	ug/kg
1,4-Dichlorobenzene	ND	6.6	ug/kg
1,2-Dichlorobenzene	ND	6.6	ug/kg
Dichlorodifluoromethane	ND	6.6	ug/kg
1,1-Dichloroethane	ND	6.6	ug/kg
1,2-Dichloroethane	ND	6.6	ug/kg
1,1-Dichloroethene	ND	6.6	ug/kg
cis-1,2-Dichloroethene	ND	6.6	ug/kg
trans-1,2-Dichloroethene	ND	6.6	ug/kg
1,2-Dichloropropane	ND	6.6	ug/kg
cis-1,3-Dichloropropene	ND	6.6	ug/kg
trans-1,3-Dichloropropene	ND	6.6	ug/kg
Ethylbenzene	ND	6.6	ug/kg
2-Hexanone	ND	6.6	ug/kg
Isopropylbenzene	ND	6.6	ug/kg
Methyl acetate	ND	6.6	ug/kg
Methylene chloride	1.2 J	6.6	ug/kg
Methylcyclohexane	ND	6.6	ug/kg
4-Methyl-2-pentanone	ND	6.6	ug/kg
Methyl tert-butyl ether	ND	6.6	ug/kg
Styrene	ND	6.6	ug/kg

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## Langan Engineering &amp; Environmental Svcs

Client Sample ID: 017-AETP-19 (14.5-15)

## GC/MS Volatiles

Lot-Sample #....: C7E110175-004 Work Order #....: JWQ2P1AK Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,1,2,2-Tetrachloroethane	ND	6.6	ug/kg
1,2,4-Trichloro- benzene	ND	6.6	ug/kg
Tetrachloroethene	ND	6.6	ug/kg
1,1,1-Trichloroethane	ND	6.6	ug/kg
1,1,2-Trichloroethane	ND	6.6	ug/kg
Trichloroethene	ND	6.6	ug/kg
Trichlorofluoromethane	ND	6.6	ug/kg
1,1,2-Trichloro- 1,2,2-trifluoroethane	ND	6.6	ug/kg
Toluene	ND	6.6	ug/kg
Vinyl chloride	ND	6.6	ug/kg
Xylenes (total)	ND	20	ug/kg

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
1,2-Dichloroethane-d4	91	(52 - 124)
Toluene-d8	97	(72 - 127)
4-Bromofluorobenzene	93	(63 - 120)
Dibromofluoromethane	89	(68 - 121)

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: 017-AETP-19 (14.5-15)

## GC/MS Semivolatiles

Lot-Sample #....: C7E110175-004      Work Order #....: JWQ2P1AL      Matrix.....: SOLID  
 Date Sampled....: 05/10/07      Date Received...: 05/11/07      MS Run #.....: 7135005  
 Prep Date.....: 05/15/07      Analysis Date...: 06/01/07  
 Prep Batch #....: 7135014      Analysis Time...: 04:19  
 Dilution Factor: 1  
 % Moisture.....: 7.4      Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Acetophenone	ND	360	ug/kg
Atrazine	ND	360	ug/kg
Benzaldehyde	ND	360	ug/kg
1,1'-Biphenyl	ND	360	ug/kg
bis(2-Chloroethoxy) methane	ND	360	ug/kg
bis(2-Chloroethyl)- ether	ND	360	ug/kg
bis(2-Ethylhexyl) phthalate	ND	360	ug/kg
4-Bromophenyl phenyl ether	ND	360	ug/kg
Butyl benzyl phthalate	ND	360	ug/kg
Caprolactam	ND	360	ug/kg
Carbazole	ND	360	ug/kg
4-Chloroaniline	ND	360	ug/kg
4-Chloro-3-methylphenol	ND	360	ug/kg
2-Chloronaphthalene	ND	360	ug/kg
2-Chlorophenol	ND	360	ug/kg
4-Chlorophenyl phenyl ether	ND	360	ug/kg
Dibenzofuran	ND	360	ug/kg
3,3'-Dichlorobenzidine	ND	1700	ug/kg
2,4-Dichlorophenol	ND	360	ug/kg
Diethyl phthalate	ND	360	ug/kg
2,4-Dimethylphenol	ND	360	ug/kg
Dimethyl phthalate	ND	360	ug/kg
Di-n-butyl phthalate	ND	360	ug/kg
4,6-Dinitro- 2-methylphenol	ND	1700	ug/kg
2,4-Dinitrophenol	ND	1700	ug/kg
2,4-Dinitrotoluene	ND	360	ug/kg
2,6-Dinitrotoluene	ND	360	ug/kg
Di-n-octyl phthalate	ND	360	ug/kg
Hexachlorobenzene	ND	360	ug/kg
Hexachlorobutadiene	ND	360	ug/kg
Hexachlorocyclopenta- diene	ND	1700	ug/kg

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## Langan Engineering &amp; Environmental Svcs

Client Sample ID: 017-AETP-19 (14.5-15)

## GC/MS Semivolatiles

Lot-Sample #....: C7E110175-004 Work Order #....: JWQ2P1AL Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Hexachloroethane	ND	360	ug/kg
Isophorone	ND	360	ug/kg
2-Methylnaphthalene	ND	360	ug/kg
2-Methylphenol	ND	360	ug/kg
4-Methylphenol	ND	360	ug/kg
2-Nitroaniline	ND	1700	ug/kg
3-Nitroaniline	ND	1700	ug/kg
4-Nitroaniline	ND	1700	ug/kg
Nitrobenzene	ND	360	ug/kg
2-Nitrophenol	ND	360	ug/kg
4-Nitrophenol	ND	1700	ug/kg
N-Nitrosodi-n-propyl-amine	ND	360	ug/kg
N-Nitrosodiphenylamine	ND	360	ug/kg
2,2'-oxybis(1-Chloropropane)	ND	360	ug/kg
Pentachlorophenol	ND	1700	ug/kg
Phenol	ND	360	ug/kg
2,4,5-Trichloro-phenol	ND	360	ug/kg
2,4,6-Trichloro-phenol	ND	360	ug/kg

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
2,4,6-Tribromophenol	66	(21 - 144)
2-Fluorobiphenyl	63	(26 - 128)
2-Fluorophenol	70	(34 - 115)
Nitrobenzene-d5	64	(30 - 118)
Phenol-d5	74	(35 - 117)
Terphenyl-d14	92	(40 - 115)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: 017-AETP-19 (14.5-15)

## GC/MS Semivolatiles

Lot-Sample #....: C7E110175-004    Work Order #....: JWQ2P1AM    Matrix.....: SOLID  
 Date Sampled....: 05/10/07    Date Received...: 05/11/07    MS Run #.....: 7135006  
 Prep Date.....: 05/15/07    Analysis Date...: 05/16/07  
 Prep Batch #....: 7135015    Analysis Time...: 04:19  
 Dilution Factor: 1  
 % Moisture.....: 7.4    Method.....: SW846 8270C SIM

<u>PARAMETER</u>	<u>REPORTING</u>		
	<u>RESULT</u>	<u>LIMIT</u>	<u>UNITS</u>
Naphthalene	ND	7.2	ug/kg
Acenaphthylene	ND	7.2	ug/kg
Acenaphthene	ND	7.2	ug/kg
Fluorene	ND	7.2	ug/kg
Phenanthrene	3.2 J	7.2	ug/kg
Anthracene	ND	7.2	ug/kg
Fluoranthene	3.7 J	7.2	ug/kg
Pyrene	2.6 J	7.2	ug/kg
Benzo(a)anthracene	3.2 J	7.2	ug/kg
Chrysene	3.5 J	7.2	ug/kg
Benzo(b)fluoranthene	3.9 J	7.2	ug/kg
Benzo(k)fluoranthene	ND	7.2	ug/kg
Benzo(a)pyrene	3.8 J	7.2	ug/kg
Indeno(1,2,3-cd)pyrene	3.5 J	7.2	ug/kg
Dibenzo(a,h)anthracene	ND	7.2	ug/kg
Benzo(ghi)perylene	2.0 J	7.2	ug/kg

NOTE (S) :

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: 017-AETP-19 (14.5-15)

## GC Semivolatiles

Lot-Sample #....: C7E110175-004    Work Order #....: JWQ2P1AJ    Matrix.....: SOLID  
 Date Sampled....: 05/10/07    Date Received...: 05/11/07    MS Run #.....: 7134030  
 Prep Date.....: 05/14/07    Analysis Date...: 05/15/07  
 Prep Batch #....: 7134038    Analysis Time...: 19:17  
 Dilution Factor: 1  
 % Moisture.....: 7.4    Method.....: SW846 8082

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Aroclor 1016	ND	18	ug/kg
Aroclor 1221	ND	18	ug/kg
Aroclor 1232	ND	18	ug/kg
Aroclor 1242	ND	18	ug/kg
Aroclor 1248	ND	18	ug/kg
Aroclor 1254	ND	18	ug/kg
Aroclor 1260	ND	18	ug/kg

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Tetrachloro-m-xylene	97	(31 - 127)
Decachlorobiphenyl	98	(23 - 141)

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: 017-AETP-19 (14.5-15)

## TOTAL Metals

Lot-Sample #....: C7E110175-004

Date Sampled....: 05/10/07

Date Received..: 05/11/07

\* Moisture.....: 7.4

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....:	7134064					
Silver	0.0076 B	0.11	mg/kg	SW846 6020	05/14-05/16/07 JWQ2P1AP	
		Dilution Factor: 1		Analysis Time...: 19:28	MS Run #.....:	7134039
Aluminum	4060	3.2	mg/kg	SW846 6020	05/14-05/16/07 JWQ2P1AQ	
		Dilution Factor: 1		Analysis Time...: 19:28	MS Run #.....:	7134039
Arsenic	6.2	0.11	mg/kg	SW846 6020	05/14-05/16/07 JWQ2P1AR	
		Dilution Factor: 1		Analysis Time...: 19:28	MS Run #.....:	7134039
Barium	19.5 J	1.1	mg/kg	SW846 6020	05/14-05/16/07 JWQ2P1AT	
		Dilution Factor: 1		Analysis Time...: 19:28	MS Run #.....:	7134039
Beryllium	0.55	0.11	mg/kg	SW846 6020	05/14-05/16/07 JWQ2P1AU	
		Dilution Factor: 1		Analysis Time...: 19:28	MS Run #.....:	7134039
Calcium	519	10.8	mg/kg	SW846 6020	05/14-05/16/07 JWQ2P1AV	
		Dilution Factor: 1		Analysis Time...: 19:28	MS Run #.....:	7134039
Cadmium	0.14	0.11	mg/kg	SW846 6020	05/14-05/16/07 JWQ2P1AW	
		Dilution Factor: 1		Analysis Time...: 19:28	MS Run #.....:	7134039
Cobalt	2.8	0.054	mg/kg	SW846 6020	05/14-05/16/07 JWQ2P1AX	
		Dilution Factor: 1		Analysis Time...: 19:28	MS Run #.....:	7134039
Chromium	23.3 J	0.22	mg/kg	SW846 6020	05/14-05/16/07 JWQ2P1A0	
		Dilution Factor: 1		Analysis Time...: 19:28	MS Run #.....:	7134039
Copper	4.2	0.22	mg/kg	SW846 6020	05/14-05/16/07 JWQ2P1A1	
		Dilution Factor: 1		Analysis Time...: 19:28	MS Run #.....:	7134039
Iron	16900	5.4	mg/kg	SW846 6020	05/14-05/16/07 JWQ2P1A2	
		Dilution Factor: 1		Analysis Time...: 19:28	MS Run #.....:	7134039
Potassium	1530	10.8	mg/kg	SW846 6020	05/14-05/16/07 JWQ2P1A3	
		Dilution Factor: 1		Analysis Time...: 19:28	MS Run #.....:	7134039

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## Langan Engineering &amp; Environmental Svcs

Client Sample ID: 017-AETP-19 (14.5-15)

## TOTAL Metals

Lot-Sample #....: C7E110175-004

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION-	WORK
		LIMIT	UNITS			ANALYSIS DATE	ORDER #
Magnesium	1310	10.8	mg/kg	SW846 6020	Analysis Time...: 19:28	05/14-05/16/07	JWQ2P1A4 MS Run #.....: 7134039
		Dilution Factor: 1					
Manganese	133	0.054	mg/kg	SW846 6020	Analysis Time...: 19:28	05/14-05/16/07	JWQ2P1A5 MS Run #.....: 7134039
		Dilution Factor: 1					
Sodium	33.3	10.8	mg/kg	SW846 6020	Analysis Time...: 19:28	05/14-05/16/07	JWQ2P1A6 MS Run #.....: 7134039
		Dilution Factor: 1					
Nickel	6.2	0.11	mg/kg	SW846 6020	Analysis Time...: 19:28	05/14-05/16/07	JWQ2P1A7 MS Run #.....: 7134039
		Dilution Factor: 1					
Lead	2.9	0.11	mg/kg	SW846 6020	Analysis Time...: 19:28	05/14-05/16/07	JWQ2P1AA MS Run #.....: 7134039
		Dilution Factor: 1					
Selenium	0.37 B	0.54	mg/kg	SW846 6020	Analysis Time...: 19:28	05/14-05/16/07	JWQ2P1AC MS Run #.....: 7134039
		Dilution Factor: 1					
Thallium	0.028 B,J	0.11	mg/kg	SW846 6020	Analysis Time...: 19:28	05/14-05/16/07	JWQ2P1AD MS Run #.....: 7134039
		Dilution Factor: 1					
Antimony	0.062 B	0.22	mg/kg	SW846 6020	Analysis Time...: 19:28	05/14-05/16/07	JWQ2P1AE MS Run #.....: 7134039
		Dilution Factor: 1					
Vanadium	18.1 J	0.11	mg/kg	SW846 6020	Analysis Time...: 19:28	05/14-05/16/07	JWQ2P1AF MS Run #.....: 7134039
		Dilution Factor: 1					
Zinc	29.3 J	0.54	mg/kg	SW846 6020	Analysis Time...: 19:28	05/14-05/16/07	JWQ2P1AG MS Run #.....: 7134039
		Dilution Factor: 1					
<b>Prep Batch #....: 7150069</b>							
Mercury	ND	0.036	mg/kg	SW846 7471A	Analysis Time...: 15:15	05/30/07	JWQ2P1AH MS Run #.....: 7150055
		Dilution Factor: 1					

**NOTE(S) :**

Results and reporting limits have been adjusted for dry weight.

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Svcs

Client Sample ID: 017-AETP-19 (14.5-15)

General Chemistry

Lot-Sample #....: C7E110175-004      Work Order #....: JWQ2P      Matrix.....: SOLID  
Date Sampled...: 05/10/07      Date Received..: 05/11/07  
% Moisture.....: 7.4

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-		PREP
					ANALYSIS DATE	BATCH #	
Percent Solids	92.6		%	MCAWW 160.3 MOD	05/11-05/12/07	7131209	
		Dilution Factor:	1	Analysis Time...: 08:17		MS Run #.....: 7131153	

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: 018-AETP-20 (1.5-2)

## GC/MS Volatiles

Lot-Sample #....: C7E110175-005    Work Order #....: JWQ2Q1AK    Matrix.....: SOLID  
 Date Sampled....: 05/10/07    Date Received...: 05/11/07    MS Run #.....:  
 Prep Date.....: 05/17/07    Analysis Date...: 05/17/07  
 Prep Batch #....: 7137087    Analysis Time...: 08:13  
 Dilution Factor: 1.05  
 % Moisture.....: 14    Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	24	ug/kg
Benzene	ND	6.1	ug/kg
Bromodichloromethane	ND	6.1	ug/kg
Bromoform	ND	6.1	ug/kg
Bromomethane	ND	6.1	ug/kg
2-Butanone	ND	6.1	ug/kg
Carbon disulfide	ND	6.1	ug/kg
Carbon tetrachloride	ND	6.1	ug/kg
Chlorobenzene	ND	6.1	ug/kg
Chloroethane	ND	6.1	ug/kg
Chloroform	ND	6.1	ug/kg
Chloromethane	ND	6.1	ug/kg
Cyclohexane	ND	6.1	ug/kg
Dibromochloromethane	ND	6.1	ug/kg
1,2-Dibromo-3-chloro-propane	ND	6.1	ug/kg
1,2-Dibromoethane	ND	6.1	ug/kg
1,3-Dichlorobenzene	ND	6.1	ug/kg
1,4-Dichlorobenzene	ND	6.1	ug/kg
1,2-Dichlorobenzene	ND	6.1	ug/kg
Dichlorodifluoromethane	ND	6.1	ug/kg
1,1-Dichloroethane	ND	6.1	ug/kg
1,2-Dichloroethane	ND	6.1	ug/kg
1,1-Dichloroethene	ND	6.1	ug/kg
cis-1,2-Dichloroethene	ND	6.1	ug/kg
trans-1,2-Dichloroethene	ND	6.1	ug/kg
1,2-Dichloropropane	ND	6.1	ug/kg
cis-1,3-Dichloropropene	ND	6.1	ug/kg
trans-1,3-Dichloropropene	ND	6.1	ug/kg
Ethylbenzene	ND	6.1	ug/kg
2-Hexanone	ND	6.1	ug/kg
Isopropylbenzene	ND	6.1	ug/kg
Methyl acetate	ND	6.1	ug/kg
Methylene chloride	1.1 J	6.1	ug/kg
Methylcyclohexane	ND	6.1	ug/kg
4-Methyl-2-pentanone	ND	6.1	ug/kg
Methyl tert-butyl ether	ND	6.1	ug/kg
Styrene	ND	6.1	ug/kg

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## Langan Engineering &amp; Environmental Svcs

Client Sample ID: 018-AETP-20 (1.5-2)

## GC/MS Volatiles

Lot-Sample #....: C7E110175-005 Work Order #....: JWQ2Q1AK Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,1,2,2-Tetrachloroethane	ND	6.1	ug/kg
1,2,4-Trichloro- benzene	ND	6.1	ug/kg
Tetrachloroethene	ND	6.1	ug/kg
1,1,1-Trichloroethane	ND	6.1	ug/kg
1,1,2-Trichloroethane	ND	6.1	ug/kg
Trichloroethene	ND	6.1	ug/kg
Trichlorofluoromethane	ND	6.1	ug/kg
1,1,2-Trichloro- 1,2,2-trifluoroethane	ND	6.1	ug/kg
Toluene	ND	6.1	ug/kg
Vinyl chloride	ND	6.1	ug/kg
Xylenes (total)	ND	18	ug/kg

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
1,2-Dichloroethane-d4	94	(52 - 124)
Toluene-d8	100	(72 - 127)
4-Bromofluorobenzene	96	(63 - 120)
Dibromofluoromethane	91	(68 - 121)

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: 018-AETP-20 (1.5-2)

## GC/MS Semivolatiles

Lot-Sample #....: C7E110175-005    Work Order #....: JWQ2Q1AL    Matrix.....: SOLID  
 Date Sampled....: 05/10/07    Date Received...: 05/11/07    MS Run #.....: 7135005  
 Prep Date.....: 05/15/07    Analysis Date...: 05/31/07  
 Prep Batch #....: 7135014    Analysis Time...: 11:22  
 Dilution Factor: 1  
 % Moisture.....: 14    Method.....: SW846 8270C

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Acetophenone	ND	380	ug/kg
Atrazine	ND	380	ug/kg
Benzaldehyde	ND	380	ug/kg
1,1'-Biphenyl	ND	380	ug/kg
bis(2-Chloroethoxy) methane	ND	380	ug/kg
bis(2-Chloroethyl)- ether	ND	380	ug/kg
bis(2-Ethylhexyl) phthalate	ND	380	ug/kg
4-Bromophenyl phenyl ether	ND	380	ug/kg
Butyl benzyl phthalate	ND	380	ug/kg
Caprolactam	ND	380	ug/kg
Carbazole	ND	380	ug/kg
4-Chloroaniline	ND	380	ug/kg
4-Chloro-3-methylphenol	ND	380	ug/kg
2-Chloronaphthalene	ND	380	ug/kg
2-Chlorophenol	ND	380	ug/kg
4-Chlorophenyl phenyl ether	ND	380	ug/kg
Dibenzofuran	ND	380	ug/kg
3,3'-Dichlorobenzidine	ND	1900	ug/kg
2,4-Dichlorophenol	ND	380	ug/kg
Diethyl phthalate	ND	380	ug/kg
2,4-Dimethylphenol	ND	380	ug/kg
Dimethyl phthalate	ND	380	ug/kg
Di-n-butyl phthalate	ND	380	ug/kg
4,6-Dinitro- 2-methylphenol	ND	1900	ug/kg
2,4-Dinitrophenol	ND	1900	ug/kg
2,4-Dinitrotoluene	ND	380	ug/kg
2,6-Dinitrotoluene	ND	380	ug/kg
Di-n-octyl phthalate	ND	380	ug/kg
Hexachlorobenzene	ND	380	ug/kg
Hexachlorobutadiene	ND	380	ug/kg
Hexachlorocyclopenta- diene	ND	1900	ug/kg

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## Langan Engineering &amp; Environmental Svcs

Client Sample ID: 018-AETP-20 (1.5-2)

## GC/MS Semivolatiles

Lot-Sample #....: C7E110175-005 Work Order #....: JWQ2Q1AL Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Hexachloroethane	ND	380	ug/kg
Isophorone	ND	380	ug/kg
2-Methylnaphthalene	ND	380	ug/kg
2-Methylphenol	ND	380	ug/kg
4-Methylphenol	ND	380	ug/kg
2-Nitroaniline	ND	1900	ug/kg
3-Nitroaniline	ND	1900	ug/kg
4-Nitroaniline	ND	1900	ug/kg
Nitrobenzene	ND	380	ug/kg
2-Nitrophenol	ND	380	ug/kg
4-Nitrophenol	ND	1900	ug/kg
N-Nitrosodi-n-propyl-amine	ND	380	ug/kg
N-Nitrosodiphenylamine	ND	380	ug/kg
2,2'-oxybis(1-Chloropropane)	ND	380	ug/kg
Pentachlorophenol	ND	1900	ug/kg
Phenol	ND	380	ug/kg
2,4,5-Trichloro-phenol	ND	380	ug/kg
2,4,6-Trichloro-phenol	ND	380	ug/kg

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
2,4,6-Tribromophenol	36	(21 - 144)
2-Fluorobiphenyl	63	(26 - 128)
2-Fluorophenol	56	(34 - 115)
Nitrobenzene-d5	58	(30 - 118)
Phenol-d5	66	(35 - 117)
Terphenyl-d14	94	(40 - 115)

NOTE (S) :

Results and reporting limits have been adjusted for dry weight.

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: 018-AETP-20 (1.5-2)

## GC/MS Semivolatiles

Lot-Sample #....: C7E110175-005    Work Order #....: JWQ2Q1AM    Matrix.....: SOLID  
 Date Sampled....: 05/10/07    Date Received...: 05/11/07    MS Run #.....: 7135006  
 Prep Date.....: 05/15/07    Analysis Date...: 05/16/07  
 Prep Batch #....: 7135015    Analysis Time...: 04:47  
 Dilution Factor: 1  
 % Moisture.....: 14    Method.....: SW846 8270C SIM

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
Naphthalene	11	7.7	ug/kg
Acenaphthylene	4.9 J	7.7	ug/kg
Acenaphthene	10	7.7	ug/kg
Fluorene	7.9	7.7	ug/kg
Phenanthrene	62	7.7	ug/kg
Anthracene	14	7.7	ug/kg
Fluoranthene	120	7.7	ug/kg
Pyrene	89	7.7	ug/kg
Benzo(a)anthracene	61	7.7	ug/kg
Chrysene	73	7.7	ug/kg
Benzo(b)fluoranthene	95	7.7	ug/kg
Benzo(k)fluoranthene	32	7.7	ug/kg
Benzo(a)pyrene	65	7.7	ug/kg
Indeno(1,2,3-cd)pyrene	49	7.7	ug/kg
Dibenzo(a,h)anthracene	16	7.7	ug/kg
Benzo(ghi)perylene	54	7.7	ug/kg

NOTE (S) :

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: 018-AETP-20 (1.5-2)

## GC Semivolatiles

Lot-Sample #....: C7E110175-005    Work Order #....: JWQ2Q1AJ    Matrix.....: SOLID  
 Date Sampled....: 05/10/07    Date Received...: 05/11/07    MS Run #.....: 7134030  
 Prep Date.....: 05/14/07    Analysis Date...: 05/15/07  
 Prep Batch #....: 7134038    Analysis Time...: 19:40  
 Dilution Factor: 1  
 \* Moisture.....: 14    Method.....: SW846 8082

<u>PARAMETER</u>	REPORTING		
	<u>RESULT</u>	<u>LIMIT</u>	<u>UNITS</u>
Aroclor 1016	ND	19	ug/kg
Aroclor 1221	ND	19	ug/kg
Aroclor 1232	ND	19	ug/kg
Aroclor 1242	ND	19	ug/kg
Aroclor 1248	ND	19	ug/kg
Aroclor 1254	ND	19	ug/kg
Aroclor 1260	ND	19	ug/kg

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>
Tetrachloro-m-xylene	88	(31 - 127)
Decachlorobiphenyl	86	(23 - 141)

NOTE (S) :

Results and reporting limits have been adjusted for dry weight.

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: 018-AETP-20 (1.5-2)

## TOTAL Metals

Lot-Sample #....: C7E110175-005

Matrix.....: SOLID

Date Sampled...: 05/10/07

Date Received..: 05/11/07

\* Moisture.....: 14

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION-	WORK
		LIMIT	UNITS	ANALYSIS DATE			
<b>Prep Batch #....: 7134064</b>							
Silver	0.039 B	0.12	mg/kg	SW846 6020	Analysis Time...: 19:44	05/14-05/16/07	JWQ2Q1AP
		Dilution Factor: 1				MS Run #.....:	7134039
Aluminum	5060	3.5	mg/kg	SW846 6020	Analysis Time...: 19:44	05/14-05/16/07	JWQ2Q1AQ
		Dilution Factor: 1				MS Run #.....:	7134039
Arsenic	2.3	0.12	mg/kg	SW846 6020	Analysis Time...: 19:44	05/14-05/16/07	JWQ2Q1AR
		Dilution Factor: 1				MS Run #.....:	7134039
Barium	61.2 J	1.2	mg/kg	SW846 6020	Analysis Time...: 19:44	05/14-05/16/07	JWQ2Q1AT
		Dilution Factor: 1				MS Run #.....:	7134039
Beryllium	0.47	0.12	mg/kg	SW846 6020	Analysis Time...: 19:44	05/14-05/16/07	JWQ2Q1AU
		Dilution Factor: 1				MS Run #.....:	7134039
Calcium	49700	11.6	mg/kg	SW846 6020	Analysis Time...: 19:44	05/14-05/16/07	JWQ2Q1AV
		Dilution Factor: 1				MS Run #.....:	7134039
Cadmium	0.28	0.12	mg/kg	SW846 6020	Analysis Time...: 19:44	05/14-05/16/07	JWQ2Q1AW
		Dilution Factor: 1				MS Run #.....:	7134039
Cobalt	3.2	0.058	mg/kg	SW846 6020	Analysis Time...: 19:44	05/14-05/16/07	JWQ2Q1AX
		Dilution Factor: 1				MS Run #.....:	7134039
Chromium	157 J	0.23	mg/kg	SW846 6020	Analysis Time...: 19:44	05/14-05/16/07	JWQ2Q1A0
		Dilution Factor: 1				MS Run #.....:	7134039
Copper	15.8	0.23	mg/kg	SW846 6020	Analysis Time...: 19:44	05/14-05/16/07	JWQ2Q1A1
		Dilution Factor: 1				MS Run #.....:	7134039
Iron	47300	58.0	mg/kg	SW846 6020	Analysis Time...: 02:39	05/14-05/20/07	JWQ2Q1A2
		Dilution Factor: 10				MS Run #.....:	7134039
Potassium	529	11.6	mg/kg	SW846 6020	Analysis Time...: 19:44	05/14-05/16/07	JWQ2Q1A3
		Dilution Factor: 1				MS Run #.....:	7134039

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## Langan Engineering &amp; Environmental Svcs

Client Sample ID: 018-AETP-20 (1.5-2)

## TOTAL Metals

Lot-Sample #....: C7E110175-005

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS				
Magnesium	16100	11.6	mg/kg	SW846 6020	Analysis Time...: 19:44	05/14-05/16/07	JWQ2Q1A4 MS Run #.....: 7134039
		Dilution Factor: 1					
Manganese	9540	0.58	mg/kg	SW846 6020	Analysis Time...: 02:39	05/14-05/20/07	JWQ2Q1A5 MS Run #.....: 7134039
		Dilution Factor: 10					
Sodium	299	11.6	mg/kg	SW846 6020	Analysis Time...: 19:44	05/14-05/16/07	JWQ2Q1A6 MS Run #.....: 7134039
		Dilution Factor: 1					
Nickel	4.8	0.12	mg/kg	SW846 6020	Analysis Time...: 19:44	05/14-05/16/07	JWQ2Q1A7 MS Run #.....: 7134039
		Dilution Factor: 1					
Lead	13.0	0.12	mg/kg	SW846 6020	Analysis Time...: 19:44	05/14-05/16/07	JWQ2Q1AA MS Run #.....: 7134039
		Dilution Factor: 1					
Selenium	1.2	0.58	mg/kg	SW846 6020	Analysis Time...: 19:44	05/14-05/16/07	JWQ2Q1AC MS Run #.....: 7134039
		Dilution Factor: 1					
Thallium	0.020 B,J	0.12	mg/kg	SW846 6020	Analysis Time...: 19:44	05/14-05/16/07	JWQ2Q1AD MS Run #.....: 7134039
		Dilution Factor: 1					
Antimony	0.060 B	0.23	mg/kg	SW846 6020	Analysis Time...: 19:44	05/14-05/16/07	JWQ2Q1AE MS Run #.....: 7134039
		Dilution Factor: 1					
Vanadium	101 J	0.12	mg/kg	SW846 6020	Analysis Time...: 19:44	05/14-05/16/07	JWQ2Q1AF MS Run #.....: 7134039
		Dilution Factor: 1					
Zinc	47.0 J	0.58	mg/kg	SW846 6020	Analysis Time...: 19:44	05/14-05/16/07	JWQ2Q1AG MS Run #.....: 7134039
		Dilution Factor: 1					
Prep Batch #....: 7150069							
Mercury	0.015 B	0.038	mg/kg	SW846 7471A	Analysis Time...: 15:16	05/30/07	JWQ2Q1AH MS Run #.....: 7150055
		Dilution Factor: 1					

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Svcs

Client Sample ID: 018-AETP-20 (1.5-2)

General Chemistry

Lot-Sample #....: C7E110175-005    Work Order #....: JWQ2Q    Matrix.....: SOLID  
Date Sampled...: 05/10/07           Date Received..: 05/11/07  
% Moisture.....: 14

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-	PREP
					ANALYSIS DATE	BATCH #
Percent Solids	86.2		%	MCAWW 160.3 MOD	05/11-05/12/07	7131209
		Dilution Factor:	1	Analysis Time...: 08:17		MS Run #.....: 7131153

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: 019-AETP-20 (4.5-5)

## GC/MS Volatiles

Lot-Sample #....: C7E110175-006    Work Order #....: JWQ2R1AK    Matrix.....: SOLID  
 Date Sampled....: 05/10/07    Date Received...: 05/11/07    MS Run #.....:  
 Prep Date.....: 05/17/07    Analysis Date...: 05/17/07  
 Prep Batch #....: 7137087    Analysis Time...: 08:37  
 Dilution Factor: 1  
 % Moisture.....: 13    Method.....: SW846 8260B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Acetone	ND	23	ug/kg
Benzene	ND	5.8	ug/kg
Bromodichloromethane	ND	5.8	ug/kg
Bromoform	ND	5.8	ug/kg
Bromomethane	ND	5.8	ug/kg
2-Butanone	ND	5.8	ug/kg
Carbon disulfide	ND	5.8	ug/kg
Carbon tetrachloride	ND	5.8	ug/kg
Chlorobenzene	ND	5.8	ug/kg
Chloroethane	ND	5.8	ug/kg
Chloroform	ND	5.8	ug/kg
Chloromethane	ND	5.8	ug/kg
Cyclohexane	ND	5.8	ug/kg
Dibromochloromethane	ND	5.8	ug/kg
1,2-Dibromo-3-chloro-propane	ND	5.8	ug/kg
1,2-Dibromoethane	ND	5.8	ug/kg
1,3-Dichlorobenzene	ND	5.8	ug/kg
1,4-Dichlorobenzene	ND	5.8	ug/kg
1,2-Dichlorobenzene	ND	5.8	ug/kg
Dichlorodifluoromethane	ND	5.8	ug/kg
1,1-Dichloroethane	ND	5.8	ug/kg
1,2-Dichloroethane	ND	5.8	ug/kg
1,1-Dichloroethene	ND	5.8	ug/kg
cis-1,2-Dichloroethene	ND	5.8	ug/kg
trans-1,2-Dichloroethene	ND	5.8	ug/kg
1,2-Dichloropropane	ND	5.8	ug/kg
cis-1,3-Dichloropropene	ND	5.8	ug/kg
trans-1,3-Dichloropropene	ND	5.8	ug/kg
Ethylbenzene	ND	5.8	ug/kg
2-Hexanone	ND	5.8	ug/kg
Isopropylbenzene	ND	5.8	ug/kg
Methyl acetate	ND	5.8	ug/kg
Methylene chloride	ND	5.8	ug/kg
Methylcyclohexane	ND	5.8	ug/kg
4-Methyl-2-pentanone	ND	5.8	ug/kg
Methyl tert-butyl ether	ND	5.8	ug/kg
Styrene	ND	5.8	ug/kg

(Continued on next page)

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: 019-AETP-20 (4.5-5)

## GC/MS Volatiles

Lot-Sample #....: C7E110175-006 Work Order #....: JWQ2R1AK Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,1,2,2-Tetrachloroethane	ND	5.8	ug/kg
1,2,4-Trichloro- benzene	ND	5.8	ug/kg
Tetrachloroethene	ND	5.8	ug/kg
1,1,1-Trichloroethane	ND	5.8	ug/kg
1,1,2-Trichloroethane	ND	5.8	ug/kg
Trichloroethene	ND	5.8	ug/kg
Trichlorofluoromethane	ND	5.8	ug/kg
1,1,2-Trichloro- 1,2,2-trifluoroethane	ND	5.8	ug/kg
Toluene	ND	5.8	ug/kg
Vinyl chloride	ND	5.8	ug/kg
Xylenes (total)	ND	17	ug/kg

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
1,2-Dichloroethane-d4	93	(52 - 124)
Toluene-d8	99	(72 - 127)
4-Bromofluorobenzene	97	(63 - 120)
Dibromofluoromethane	91	(68 - 121)

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: 019-AETP-20 (4.5-5)

## GC/MS Semivolatiles

Lot-Sample #....: C7E110175-006    Work Order #....: JWQ2R1AL    Matrix.....: SOLID  
 Date Sampled....: 05/10/07    Date Received..: 05/11/07    MS Run #.....: 7135005  
 Prep Date.....: 05/15/07    Analysis Date...: 05/31/07  
 Prep Batch #....: 7135014    Analysis Time...: 11:50  
 Dilution Factor: 1  
 % Moisture.....: 13    Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetophenone	ND	380	ug/kg
Atrazine	ND	380	ug/kg
Benzaldehyde	ND	380	ug/kg
1,1'-Biphenyl	ND	380	ug/kg
bis(2-Chloroethoxy) methane	ND	380	ug/kg
bis(2-Chloroethyl)- ether	ND	380	ug/kg
bis(2-Ethylhexyl) phthalate	ND	380	ug/kg
4-Bromophenyl phenyl ether	ND	380	ug/kg
Butyl benzyl phthalate	ND	380	ug/kg
Caprolactam	ND	380	ug/kg
Carbazole	ND	380	ug/kg
4-Chloroaniline	ND	380	ug/kg
4-Chloro-3-methylphenol	ND	380	ug/kg
2-Chloronaphthalene	ND	380	ug/kg
2-Chlorophenol	ND	380	ug/kg
4-Chlorophenyl phenyl ether	ND	380	ug/kg
Dibenzofuran	ND	380	ug/kg
3,3'-Dichlorobenzidine	ND	1800	ug/kg
2,4-Dichlorophenol	ND	380	ug/kg
Diethyl phthalate	ND	380	ug/kg
2,4-Dimethylphenol	ND	380	ug/kg
Dimethyl phthalate	ND	380	ug/kg
Di-n-butyl phthalate	ND	380	ug/kg
4,6-Dinitro- 2-methylphenol	ND	1800	ug/kg
2,4-Dinitrophenol	ND	1800	ug/kg
2,4-Dinitrotoluene	ND	380	ug/kg
2,6-Dinitrotoluene	ND	380	ug/kg
Di-n-octyl phthalate	ND	380	ug/kg
Hexachlorobenzene	ND	380	ug/kg
Hexachlorobutadiene	ND	380	ug/kg
Hexachlorocyclopenta- diene	ND	1800	ug/kg

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## Langan Engineering &amp; Environmental Svcs

Client Sample ID: 019-AETP-20 (4.5-5)

## GC/MS Semivolatiles

Lot-Sample #....: C7E110175-006 Work Order #....: JWQ2R1AL Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Hexachloroethane	ND	380	ug/kg
Isophorone	ND	380	ug/kg
2-Methylnaphthalene	ND	380	ug/kg
2-Methylphenol	ND	380	ug/kg
4-Methylphenol	ND	380	ug/kg
2-Nitroaniline	ND	1800	ug/kg
3-Nitroaniline	ND	1800	ug/kg
4-Nitroaniline	ND	1800	ug/kg
Nitrobenzene	ND	380	ug/kg
2-Nitrophenol	ND	380	ug/kg
4-Nitrophenol	ND	1800	ug/kg
N-Nitrosodi-n-propyl- amine	ND	380	ug/kg
N-Nitrosodiphenylamine	ND	380	ug/kg
2,2'-oxybis(1-Chloropropane)	ND	380	ug/kg
Pentachlorophenol	ND	1800	ug/kg
Phenol	ND	380	ug/kg
2,4,5-Trichloro- phenol	ND	380	ug/kg
2,4,6-Trichloro- phenol	ND	380	ug/kg

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
2,4,6-Tribromophenol	66	(21 - 144)
2-Fluorobiphenyl	63	(26 - 128)
2-Fluorophenol	66	(34 - 115)
Nitrobenzene-d5	60	(30 - 118)
Phenol-d5	70	(35 - 117)
Terphenyl-d14	93	(40 - 115)

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: 019-AETP-20 (4.5-5)

## GC/MS Semivolatiles

Lot-Sample #....: C7E110175-006    Work Order #....: JWQ2R1AM    Matrix.....: SOLID  
 Date Sampled....: 05/10/07    Date Received...: 05/11/07    MS Run #.....: 7135006  
 Prep Date.....: 05/15/07    Analysis Date...: 05/16/07  
 Prep Batch #....: 7135015    Analysis Time...: 05:15  
 Dilution Factor: 1  
 % Moisture.....: 13    Method.....: SW846 8270C SIM

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Naphthalene	3.7 J	7.7	ug/kg
Acenaphthylene	ND	7.7	ug/kg
Acenaphthene	ND	7.7	ug/kg
Fluorene	3.5 J	7.7	ug/kg
Phenanthrene	21	7.7	ug/kg
Anthracene	6.5 J	7.7	ug/kg
Fluoranthene	27	7.7	ug/kg
Pyrene	21	7.7	ug/kg
Benzo(a)anthracene	10	7.7	ug/kg
Chrysene	12	7.7	ug/kg
Benzo(b)fluoranthene	15	7.7	ug/kg
Benzo(k)fluoranthene	5.5 J	7.7	ug/kg
Benzo(a)pyrene	11	7.7	ug/kg
Indeno(1,2,3-cd)pyrene	8.9	7.7	ug/kg
Dibenzo(a,h)anthracene	2.5 J	7.7	ug/kg
Benzo(ghi)perylene	10	7.7	ug/kg

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: 019-AETP-20 (4.5-5)

## GC Semivolatiles

Lot-Sample #....: C7E110175-006	Work Order #....: JWQ2R1AJ	Matrix.....: SOLID
Date Sampled....: 05/10/07	Date Received...: 05/11/07	MS Run #.....: 7134030
Prep Date.....: 05/14/07	Analysis Date...: 05/15/07	
Prep Batch #....: 7134038	Analysis Time...: 20:03	
Dilution Factor: 1		
% Moisture.....: 13	Method.....: SW846 8082	

<u>PARAMETER</u>	<u>REPORTING</u>		
	<u>RESULT</u>	<u>LIMIT</u>	<u>UNITS</u>
Aroclor 1016	ND	19	ug/kg
Aroclor 1221	ND	19	ug/kg
Aroclor 1232	ND	19	ug/kg
Aroclor 1242	ND	19	ug/kg
Aroclor 1248	ND	19	ug/kg
Aroclor 1254	ND	19	ug/kg
Aroclor 1260	ND	19	ug/kg

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>	
		<u>RECOVERY</u>	<u>LIMITS</u>
Tetrachloro-m-xylene	93	(31 - 127)	
Decachlorobiphenyl	86	(23 - 141)	

NOTE (S) :

Results and reporting limits have been adjusted for dry weight.

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: 019-AETP-20 (4.5-5)

## TOTAL Metals

Lot-Sample #....: C7E110175-006

Matrix.....: SOLID

Date Sampled...: 05/10/07

Date Received..: 05/11/07

% Moisture.....: 13

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS				
Prep Batch #....:	7134064						
Silver	0.019 B	0.12	mg/kg	SW846 6020	Analysis Time...: 19:48	05/14-05/16/07	JWQ2R1AP
		Dilution Factor: 1				MS Run #.....:	7134039
Aluminum	8520	3.5	mg/kg	SW846 6020	Analysis Time...: 19:48	05/14-05/16/07	JWQ2R1AQ
		Dilution Factor: 1				MS Run #.....:	7134039
Arsenic	2.9	0.12	mg/kg	SW846 6020	Analysis Time...: 19:48	05/14-05/16/07	JWQ2R1AR
		Dilution Factor: 1				MS Run #.....:	7134039
Barium	43.3 J	1.2	mg/kg	SW846 6020	Analysis Time...: 19:48	05/14-05/16/07	JWQ2R1AT
		Dilution Factor: 1				MS Run #.....:	7134039
Beryllium	0.77	0.12	mg/kg	SW846 6020	Analysis Time...: 19:48	05/14-05/16/07	JWQ2R1AU
		Dilution Factor: 1				MS Run #.....:	7134039
Calcium	16900	11.6	mg/kg	SW846 6020	Analysis Time...: 19:48	05/14-05/16/07	JWQ2R1AV
		Dilution Factor: 1				MS Run #.....:	7134039
Cadmium	0.17	0.12	mg/kg	SW846 6020	Analysis Time...: 19:48	05/14-05/16/07	JWQ2R1AW
		Dilution Factor: 1				MS Run #.....:	7134039
Cobalt	4.8	0.058	mg/kg	SW846 6020	Analysis Time...: 19:48	05/14-05/16/07	JWQ2R1AX
		Dilution Factor: 1				MS Run #.....:	7134039
Chromium	6.9 J	0.23	mg/kg	SW846 6020	Analysis Time...: 19:48	05/14-05/16/07	JWQ2R1AO
		Dilution Factor: 1				MS Run #.....:	7134039
Copper	8.1	0.23	mg/kg	SW846 6020	Analysis Time...: 19:48	05/14-05/16/07	JWQ2R1A1
		Dilution Factor: 1				MS Run #.....:	7134039
Iron	10300	5.8	mg/kg	SW846 6020	Analysis Time...: 19:48	05/14-05/16/07	JWQ2R1A2
		Dilution Factor: 1				MS Run #.....:	7134039
Potassium	787	11.6	mg/kg	SW846 6020	Analysis Time...: 19:48	05/14-05/16/07	JWQ2R1A3
		Dilution Factor: 1				MS Run #.....:	7134039

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## Langan Engineering &amp; Environmental Svcs

Client Sample ID: 019-AETP-20 (4.5-5)

## TOTAL Metals

Lot-Sample #....: C7E110175-006

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS				
Magnesium	4410	11.6	mg/kg	SW846 6020	Dilution Factor: 1	Analysis Time...: 19:48	05/14-05/16/07 JWQ2R1A4 MS Run #.....: 7134039
Manganese	680	0.058	mg/kg	SW846 6020	Dilution Factor: 1	Analysis Time...: 19:48	05/14-05/16/07 JWQ2R1A5 MS Run #.....: 7134039
Sodium	125	11.6	mg/kg	SW846 6020	Dilution Factor: 1	Analysis Time...: 19:48	05/14-05/16/07 JWQ2R1A6 MS Run #.....: 7134039
Nickel	9.3	0.12	mg/kg	SW846 6020	Dilution Factor: 1	Analysis Time...: 19:48	05/14-05/16/07 JWQ2R1A7 MS Run #.....: 7134039
Lead	12.2	0.12	mg/kg	SW846 6020	Dilution Factor: 1	Analysis Time...: 19:48	05/14-05/16/07 JWQ2R1AA MS Run #.....: 7134039
Selenium	0.58	0.58	mg/kg	SW846 6020	Dilution Factor: 1	Analysis Time...: 19:48	05/14-05/16/07 JWQ2R1AC MS Run #.....: 7134039
Thallium	0.031 B,J	0.12	mg/kg	SW846 6020	Dilution Factor: 1	Analysis Time...: 19:48	05/14-05/16/07 JWQ2R1AD MS Run #.....: 7134039
Antimony	0.048 B	0.23	mg/kg	SW846 6020	Dilution Factor: 1	Analysis Time...: 19:48	05/14-05/16/07 JWQ2R1AE MS Run #.....: 7134039
Vanadium	8.6 J	0.12	mg/kg	SW846 6020	Dilution Factor: 1	Analysis Time...: 19:48	05/14-05/16/07 JWQ2R1AF MS Run #.....: 7134039
Zinc	27.1 J	0.58	mg/kg	SW846 6020	Dilution Factor: 1	Analysis Time...: 19:48	05/14-05/16/07 JWQ2R1AG MS Run #.....: 7134039

Prep Batch #....: 7150069

Mercury	ND	0.038	mg/kg	SW846 7471A	05/30/07	JWQ2R1AH
		Dilution Factor: 1		Analysis Time...: 15:18	MS Run #.....:	7150055

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

**Langan Engineering & Environmental Svcs**

**Client Sample ID: 019-AETP-20 (4.5-5)**

**General Chemistry**

**Lot-Sample #....: C7E110175-006      Work Order #....: JWQ2R      Matrix.....: SOLID**  
**Date Sampled...: 05/10/07      Date Received..: 05/11/07**  
**% Moisture.....: 13**

<b>PARAMETER</b>	<b>RESULT</b>	<b>RL</b>	<b>UNITS</b>	<b>METHOD</b>	<b>PREPARATION-</b>	<b>PREP</b>
			%		<b>ANALYSIS DATE</b>	<b>BATCH #</b>
<b>Percent Solids</b>	<b>86.5</b>			<b>MCAWW 160.3 MOD</b>	<b>05/11-05/12/07</b>	<b>7131209</b>
		Dilution Factor:	1	Analysis Time...: 08:17	MS Run #.....:	7131153

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: 020-FB-2

## GC/MS Volatiles

Lot-Sample #....: C7E110175-007      Work Order #....: JWQ2V1AD      Matrix.....: WATER  
 Date Sampled....: 05/10/07      Date Received...: 05/11/07      MS Run #.....: 7141145  
 Prep Date.....: 05/21/07      Analysis Date...: 05/21/07  
 Prep Batch #....: 7141249      Analysis Time...: 13:40  
 Dilution Factor: 1  
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Acetone	ND	5.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Cyclohexane	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
Methyl acetate	ND	1.0	ug/L
Methylene chloride	0.38 J,B	1.0	ug/L
Methylcyclohexane	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
Methyl tert-butyl ether	ND	1.0	ug/L
Styrene	ND	1.0	ug/L

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## Langan Engineering &amp; Environmental Svcs

Client Sample ID: 020-FB-2

## GC/MS Volatiles

Lot-Sample #....: C7E110175-007 Work Order #....: JWQ2V1AD Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
1,2,4-Trichloro- benzene	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,1,2-Trichloro- 1,2,2-trifluoroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	3.0	ug/L
<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	
Toluene-d8	85	(71 - 118)	
1,2-Dichloroethane-d4	105	(64 - 135)	
4-Bromofluorobenzene	88	(70 - 118)	
Dibromofluoromethane	100	(64 - 128)	

NOTE (S) :

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: 020-FB-2

## GC/MS Semivolatiles

Lot-Sample #....: C7E110175-007    Work Order #....: JWQ2V1AA    Matrix.....: WATER  
 Date Sampled....: 05/10/07    Date Received...: 05/11/07    MS Run #.....:  
 Prep Date.....: 05/15/07    Analysis Date...: 05/28/07  
 Prep Batch #....: 7135234    Analysis Time...: 08:57  
 Dilution Factor: 0.95    Method.....: SW846 8270C

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Acetophenone	ND	9.5	ug/L
Atrazine	ND	9.5	ug/L
Benzaldehyde	ND	9.5	ug/L
1,1'-Biphenyl	ND	9.5	ug/L
bis(2-Chloroethoxy) methane	ND	9.5	ug/L
bis(2-Chloroethyl)- ether	ND	9.5	ug/L
bis(2-Ethylhexyl) phthalate	ND	9.5	ug/L
4-Bromophenyl phenyl ether	ND	9.5	ug/L
Butyl benzyl phthalate	ND	9.5	ug/L
Caprolactam	ND	9.5	ug/L
Carbazole	ND	9.5	ug/L
4-Chloroaniline	ND	9.5	ug/L
4-Chloro-3-methylphenol	ND	9.5	ug/L
2-Choronaphthalene	ND	9.5	ug/L
2-Chlorophenol	ND	9.5	ug/L
4-Chlorophenyl phenyl ether	ND	9.5	ug/L
Dibenzofuran	ND	9.5	ug/L
3,3'-Dichlorobenzidine	ND	48	ug/L
2,4-Dichlorophenol	ND	9.5	ug/L
Diethyl phthalate	ND	9.5	ug/L
2,4-Dimethylphenol	ND	9.5	ug/L
Dimethyl phthalate	ND	9.5	ug/L
Di-n-butyl phthalate	ND	9.5	ug/L
4,6-Dinitro- 2-methylphenol	ND	48	ug/L
2,4-Dinitrophenol	ND	48	ug/L
2,4-Dinitrotoluene	ND	9.5	ug/L
2,6-Dinitrotoluene	ND	9.5	ug/L
Di-n-octyl phthalate	ND	9.5	ug/L
Hexachlorobenzene	ND	9.5	ug/L
Hexachlorobutadiene	ND	9.5	ug/L
Hexachlorocyclopenta- diene	ND	48	ug/L

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## Langan Engineering &amp; Environmental Svcs

Client Sample ID: 020-FB-2

## GC/MS Semivolatiles

Lot-Sample #....: C7E110175-007 Work Order #....: JWQ2V1AA Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Hexachloroethane	ND	9.5	ug/L
Isophorone	ND	9.5	ug/L
2-Methylnaphthalene	ND	9.5	ug/L
2-Methylphenol	ND	9.5	ug/L
4-Methylphenol	ND	9.5	ug/L
2-Nitroaniline	ND	48	ug/L
3-Nitroaniline	ND	48	ug/L
4-Nitroaniline	ND	48	ug/L
Nitrobenzene	ND	9.5	ug/L
2-Nitrophenol	ND	9.5	ug/L
4-Nitrophenol	ND	48	ug/L
N-Nitrosodi-n-propyl-amine	ND	9.5	ug/L
N-Nitrosodiphenylamine	ND	9.5	ug/L
2,2'-oxybis(1-Chloropropane)	ND	9.5	ug/L
Pentachlorophenol	ND	48	ug/L
Phenol	ND	9.5	ug/L
2,4,5-Trichloro-phenol	ND	9.5	ug/L
2,4,6-Trichloro-phenol	ND	9.5	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
2,4,6-Tribromophenol	69	(19 - 138)
2-Fluorobiphenyl	64	(35 - 115)
2-Fluorophenol	80	(10 - 118)
Nitrobenzene-d5	71	(39 - 115)
Phenol-d5	86	(18 - 115)
Terphenyl-d14	93	(17 - 129)

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: 020-FB-2

## GC/MS Semivolatiles

Lot-Sample #....: C7E110175-007      Work Order #....: JWQ2V1AC      Matrix.....: WATER  
 Date Sampled....: 05/10/07      Date Received...: 05/11/07      MS Run #.....:  
 Prep Date.....: 05/15/07      Analysis Date...: 05/19/07  
 Prep Batch #....: 7135237      Analysis Time...: 05:26  
 Dilution Factor: 0.95      Method.....: SW846 8270C SIM

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
Naphthalene	0.063 J	0.19	ug/L
Acenaphthylene	ND	0.19	ug/L
Acenaphthene	ND	0.19	ug/L
Fluorene	ND	0.19	ug/L
Phenanthrene	ND	0.19	ug/L
Anthracene	ND	0.19	ug/L
Fluoranthene	ND	0.19	ug/L
Pyrene	ND	0.19	ug/L
Benzo(a)anthracene	ND	0.19	ug/L
Chrysene	ND	0.19	ug/L
Benzo(b)fluoranthene	ND	0.19	ug/L
Benzo(k)fluoranthene	ND	0.19	ug/L
Benzo(a)pyrene	ND	0.19	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.19	ug/L
Dibenzo(a,h)anthracene	ND	0.19	ug/L
Benzo(ghi)perylene	ND	0.19	ug/L

NOTE(S) :

J Estimated result. Result is less than RL.

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: 020-FB-2

## GC Semivolatiles

Lot-Sample #....: C7E110175-007

Date Sampled....: 05/10/07

Prep Date.....: 05/11/07

Prep Batch #....: 7131457

Dilution Factor: 0.94

Work Order #....: JWQ2V1AE

Date Received...: 05/11/07

Analysis Date...: 05/16/07

Analysis Time...: 01:50

Matrix.....: WATER

MS Run #.....:

Method.....: SW846 8082

## REPORTING

<u>PARAMETER</u>	<u>RESULT</u>	<u>LIMIT</u>	<u>UNITS</u>
Aroclor 1016	ND	0.38	ug/L
Aroclor 1221	ND	0.38	ug/L
Aroclor 1232	ND	0.38	ug/L
Aroclor 1242	ND	0.38	ug/L
Aroclor 1248	ND	0.38	ug/L
Aroclor 1254	ND	0.38	ug/L
Aroclor 1260	ND	0.38	ug/L

## PERCENT

<u>SURROGATE</u>	<u>RECOVERY</u>	<u>RECOVERY</u>
		<u>LIMITS</u>
Tetrachloro-m-xylene	77	(45 - 120)
Decachlorobiphenyl	90	(24 - 128)

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: 020-FB-2

## TOTAL Metals

Lot-Sample #...: C7E110175-007

Matrix.....: WATER

Date Sampled...: 05/10/07

Date Received...: 05/11/07

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
<b>Prep Batch #...: 7134088</b>						
Silver	ND	1.0	ug/L	SW846 6020	05/14-05/16/07	JWQ2V1AF
		Dilution Factor: 1		Analysis Time...: 18:17	MS Run #.....:	
Aluminum	19.3 B	30.0	ug/L	SW846 6020	05/14-05/16/07	JWQ2V1AG
		Dilution Factor: 1		Analysis Time...: 18:17	MS Run #.....:	
Arsenic	ND	1.0	ug/L	SW846 6020	05/14-05/16/07	JWQ2V1AH
		Dilution Factor: 1		Analysis Time...: 18:17	MS Run #.....:	
Barium	0.24 B	10.0	ug/L	SW846 6020	05/14-05/16/07	JWQ2V1AJ
		Dilution Factor: 1		Analysis Time...: 18:17	MS Run #.....:	
Beryllium	ND	1.0	ug/L	SW846 6020	05/14-05/16/07	JWQ2V1AK
		Dilution Factor: 1		Analysis Time...: 18:17	MS Run #.....:	
Calcium	16.4 B	100	ug/L	SW846 6020	05/14-05/16/07	JWQ2V1AL
		Dilution Factor: 1		Analysis Time...: 18:17	MS Run #.....:	
Cadmium	ND	1.0	ug/L	SW846 6020	05/14-05/16/07	JWQ2V1AM
		Dilution Factor: 1		Analysis Time...: 18:17	MS Run #.....:	
Cobalt	0.022 B	0.50	ug/L	SW846 6020	05/14-05/16/07	JWQ2V1AN
		Dilution Factor: 1		Analysis Time...: 18:17	MS Run #.....:	
Chromium	2.9 J	2.0	ug/L	SW846 6020	05/14-05/16/07	JWQ2V1AP
		Dilution Factor: 1		Analysis Time...: 18:17	MS Run #.....:	
Copper	ND	2.0	ug/L	SW846 6020	05/14-05/16/07	JWQ2V1AQ
		Dilution Factor: 1		Analysis Time...: 18:17	MS Run #.....:	
Iron	ND	50.0	ug/L	SW846 6020	05/14-05/16/07	JWQ2V1AR
		Dilution Factor: 1		Analysis Time...: 18:17	MS Run #.....:	
Potassium	6.3 B	100	ug/L	SW846 6020	05/14-05/16/07	JWQ2V1AT
		Dilution Factor: 1		Analysis Time...: 18:17	MS Run #.....:	

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## Langan Engineering &amp; Environmental Svcs

Client Sample ID: 020-FB-2

## TOTAL Metals

Lot-Sample #....: C7E110175-007

Matrix.....: WATER

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION-	WORK
		LIMIT	UNITS			ANALYSIS DATE	ORDER #
Magnesium	7.7 B	100	ug/L	Dilution Factor: 1	SW846 6020	05/14-05/16/07	JWQ2V1AU
					Analysis Time...: 18:17	MS Run #.....:	
Manganese	0.27 B	0.50	ug/L	Dilution Factor: 1	SW846 6020	05/14-05/16/07	JWQ2V1AV
					Analysis Time...: 18:17	MS Run #.....:	
Sodium	88.4 B	100	ug/L	Dilution Factor: 1	SW846 6020	05/14-05/16/07	JWQ2V1AW
					Analysis Time...: 18:17	MS Run #.....:	
Nickel	ND	1.0	ug/L	Dilution Factor: 1	SW846 6020	05/14-05/16/07	JWQ2V1AX
					Analysis Time...: 18:17	MS Run #.....:	
Lead	0.024 B	1.0	ug/L	Dilution Factor: 1	SW846 6020	05/14-05/16/07	JWQ2V1A0
					Analysis Time...: 18:17	MS Run #.....:	
Selenium	ND	5.0	ug/L	Dilution Factor: 1	SW846 6020	05/14-05/16/07	JWQ2V1A1
					Analysis Time...: 18:17	MS Run #.....:	
Thallium	0.21 B,J	1.0	ug/L	Dilution Factor: 1	SW846 6020	05/14-05/16/07	JWQ2V1A2
					Analysis Time...: 18:17	MS Run #.....:	
Antimony	0.058 B	2.0	ug/L	Dilution Factor: 1	SW846 6020	05/14-05/16/07	JWQ2V1A3
					Analysis Time...: 18:17	MS Run #.....:	
Vanadium	6.4	1.0	ug/L	Dilution Factor: 1	SW846 6020	05/14-05/16/07	JWQ2V1A4
					Analysis Time...: 18:17	MS Run #.....:	
Zinc	0.69 B	5.0	ug/L	Dilution Factor: 1	SW846 6020	05/14-05/16/07	JWQ2V1A5
					Analysis Time...: 18:17	MS Run #.....:	
<b>Prep Batch #....: 7150137</b>							
Mercury	ND	0.20	ug/L	Dilution Factor: 1	SW846 7470A	05/30/07	JWQ2V1A6
					Analysis Time...: 12:56	MS Run #.....:	7150094

**NOTE(S) :**

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: 021-AKTP-12 (1.5-2)

## GC/MS Volatiles

Lot-Sample #....: C7E110175-008    Work Order #....: JWQ2X1AK    Matrix.....: SOLID  
 Date Sampled....: 05/10/07    Date Received...: 05/11/07    MS Run #:.....:  
 Prep Date.....: 05/17/07    Analysis Date...: 05/17/07  
 Prep Batch #....: 7137087    Analysis Time...: 09:48  
 Dilution Factor: 1.89  
 % Moisture.....: 3.9    Method.....: SW846 8260B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
Acetone	ND	9.8	ug/kg
Benzene	ND	9.8	ug/kg
Bromodichloromethane	ND	9.8	ug/kg
Bromoform	ND	9.8	ug/kg
Bromomethane	ND	9.8	ug/kg
2-Butanone	ND	9.8	ug/kg
Carbon disulfide	ND	9.8	ug/kg
Carbon tetrachloride	ND	9.8	ug/kg
Chlorobenzene	ND	9.8	ug/kg
Chloroethane	ND	9.8	ug/kg
Chloroform	ND	9.8	ug/kg
Chloromethane	ND	9.8	ug/kg
Cyclohexane	ND	9.8	ug/kg
Dibromochloromethane	ND	9.8	ug/kg
1,2-Dibromo-3-chloropropane	ND	9.8	ug/kg
1,2-Dibromoethane	ND	9.8	ug/kg
1,3-Dichlorobenzene	ND	9.8	ug/kg
1,4-Dichlorobenzene	ND	9.8	ug/kg
1,2-Dichlorobenzene	ND	9.8	ug/kg
Dichlorodifluoromethane	ND	9.8	ug/kg
1,1-Dichloroethane	ND	9.8	ug/kg
1,2-Dichloroethane	ND	9.8	ug/kg
1,1-Dichloroethene	ND	9.8	ug/kg
cis-1,2-Dichloroethene	ND	9.8	ug/kg
trans-1,2-Dichloroethene	ND	9.8	ug/kg
1,2-Dichloropropane	ND	9.8	ug/kg
cis-1,3-Dichloropropene	ND	9.8	ug/kg
trans-1,3-Dichloropropene	ND	9.8	ug/kg
Ethylbenzene	ND	9.8	ug/kg
2-Hexanone	ND	9.8	ug/kg
Isopropylbenzene	ND	9.8	ug/kg
Methyl acetate	ND	9.8	ug/kg
Methylene chloride	ND	9.8	ug/kg
Methylcyclohexane	ND	9.8	ug/kg
4-Methyl-2-pentanone	ND	9.8	ug/kg
Methyl tert-butyl ether	ND	9.8	ug/kg
Styrene	ND	9.8	ug/kg

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## Langan Engineering &amp; Environmental Svcs

Client Sample ID: 021-AETP-12 (1.5-2)

## GC/MS Volatiles

Lot-Sample #....: C7E110175-008 Work Order #....: JWQ2X1AK Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,1,2,2-Tetrachloroethane	ND	9.8	ug/kg
1,2,4-Trichloro- benzene	ND	9.8	ug/kg
Tetrachloroethene	ND	9.8	ug/kg
1,1,1-Trichloroethane	ND	9.8	ug/kg
1,1,2-Trichloroethane	ND	9.8	ug/kg
Trichloroethene	ND	9.8	ug/kg
Trichlorofluoromethane	ND	9.8	ug/kg
1,1,2-Trichloro- 1,2,2-trifluoroethane	ND	9.8	ug/kg
Toluene	ND	9.8	ug/kg
Vinyl chloride	ND	9.8	ug/kg
Xylenes (total)	ND	30	ug/kg
<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	
1,2-Dichloroethane-d4	74	(52 - 124)	
Toluene-d8	102	(72 - 127)	
4-Bromofluorobenzene	90	(63 - 120)	
Dibromofluoromethane	73	(68 - 121)	

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: 021-AKTP-12 (1.5-2)

## GC/MS Semivolatiles

Lot-Sample #....: C7E110175-008    Work Order #....: JWQ2X1AL    Matrix.....: SOLID  
 Date Sampled....: 05/10/07    Date Received...: 05/11/07    MS Run #.....: 7135005  
 Prep Date.....: 05/15/07    Analysis Date...: 05/31/07  
 Prep Batch #....: 7135014    Analysis Time...: 12:18  
 Dilution Factor: 10  
 \* Moisture.....: 3.9    Method.....: SW846 8270C

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
Acetophenone	ND	3400	ug/kg
Atrazine	ND	3400	ug/kg
Benzaldehyde	ND	3400	ug/kg
1,1'-Biphenyl	ND	3400	ug/kg
bis(2-Chloroethoxy) methane	ND	3400	ug/kg
bis(2-Chloroethyl)- ether	ND	3400	ug/kg
bis(2-Ethylhexyl) phthalate	ND	3400	ug/kg
4-Bromophenyl phenyl ether	ND	3400	ug/kg
Butyl benzyl phthalate	ND	3400	ug/kg
Caprolactam	ND	3400	ug/kg
Carbazole	2000 J	3400	ug/kg
4-Chloroaniline	ND	3400	ug/kg
4-Chloro-3-methylphenol	ND	3400	ug/kg
2-Chloronaphthalene	ND	3400	ug/kg
2-Chlorophenol	ND	3400	ug/kg
4-Chlorophenyl phenyl ether	ND	3400	ug/kg
Dibenzofuran	710 J	3400	ug/kg
3,3'-Dichlorobenzidine	ND	17000	ug/kg
2,4-Dichlorophenol	ND	3400	ug/kg
Diethyl phthalate	ND	3400	ug/kg
2,4-Dimethylphenol	ND	3400	ug/kg
Dimethyl phthalate	ND	3400	ug/kg
Di-n-butyl phthalate	ND	3400	ug/kg
4,6-Dinitro- 2-methylphenol	ND	17000	ug/kg
2,4-Dinitrophenol	ND	17000	ug/kg
2,4-Dinitrotoluene	ND	3400	ug/kg
2,6-Dinitrotoluene	ND	3400	ug/kg
Di-n-octyl phthalate	ND	3400	ug/kg
Hexachlorobenzene	ND	3400	ug/kg
Hexachlorobutadiene	ND	3400	ug/kg
Hexachlorocyclopenta- diene	ND	17000	ug/kg

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## Langan Engineering &amp; Environmental Svcs

Client Sample ID: 021-AETP-12 (1.5-2)

## GC/MS Semivolatiles

Lot-Sample #....: C7E110175-008 Work Order #....: JWQ2X1AL Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Hexachloroethane	ND	3400	ug/kg
Isophorone	ND	3400	ug/kg
<b>2-Methylnaphthalene</b>	<b>250 J</b>	<b>3400</b>	<b>ug/kg</b>
2-Methylphenol	ND	3400	ug/kg
4-Methylphenol	ND	3400	ug/kg
2-Nitroaniline	ND	17000	ug/kg
3-Nitroaniline	ND	17000	ug/kg
4-Nitroaniline	ND	17000	ug/kg
Nitrobenzene	ND	3400	ug/kg
2-Nitrophenol	ND	3400	ug/kg
4-Nitrophenol	ND	17000	ug/kg
N-Nitrosodi-n-propyl-amine	ND	3400	ug/kg
N-Nitrosodiphenylamine	ND	3400	ug/kg
2,2'-oxybis(1-Chloropropane)	ND	3400	ug/kg
Pentachlorophenol	ND	17000	ug/kg
Phenol	ND	3400	ug/kg
2,4,5-Trichloro-phenol	ND	3400	ug/kg
2,4,6-Trichloro-phenol	ND	3400	ug/kg

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
2,4,6-Tribromophenol	80	(21 - 144)
2-Fluorobiphenyl	92	(26 - 128)
2-Fluorophenol	82	(34 - 115)
Nitrobenzene-d5	78	(30 - 118)
Phenol-d5	84	(35 - 117)
Terphenyl-d14	99	(40 - 115)

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: 021-AETP-12 (1.5-2)

## GC/MS Semivolatiles

Lot-Sample #....: C7E110175-008    Work Order #....: JWQ2X1AM    Matrix.....: SOLID  
 Date Sampled....: 05/10/07    Date Received...: 05/11/07    MS Run #.....: 7135006  
 Prep Date.....: 05/15/07    Analysis Date...: 05/16/07  
 Prep Batch #....: 7135015    Analysis Time...: 05:43  
 Dilution Factor: 10  
 % Moisture.....: 3.9    Method.....: SW846 8270C SIM

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Naphthalene	380	69	ug/kg
Acenaphthylene	450	69	ug/kg
Acenaphthene	1800	69	ug/kg
Fluorene	1200	69	ug/kg
Phenanthrene	9200 E	69	ug/kg
Anthracene	3300	69	ug/kg
Fluoranthene	17000 E	69	ug/kg
Pyrene	13000 E	69	ug/kg
Benzo(a)anthracene	10000 E	69	ug/kg
Chrysene	11000 E	69	ug/kg
Benzo(b)fluoranthene	15000 E	69	ug/kg
Benzo(k)fluoranthene	6700	69	ug/kg
Benzo(a)pyrene	11000 E	69	ug/kg
Indeno(1,2,3-cd)pyrene	7600 E	69	ug/kg
Dibenzo(a,h)anthracene	2600	69	ug/kg
Benzo(ghi)perylene	8500 E	69	ug/kg

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

E Estimated result. Result concentration exceeds the calibration range.

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: 021-AETP-12 (1.5-2)

## GC/MS Semivolatiles

Lot-Sample #....: C7E110175-008    Work Order #....: JWQ2X2AM    Matrix.....: SOLID  
 Date Sampled....: 05/10/07    Date Received...: 05/11/07    MS Run #.....: 7135006  
 Prep Date.....: 05/15/07    Analysis Date...: 05/16/07  
 Prep Batch #....: 7135015    Analysis Time...: 08:58  
 Dilution Factor: 100  
 % Moisture.....: 3.9    Method.....: SW846 8270C SIM

<u>PARAMETER</u>	<u>REPORTING</u>		
	<u>RESULT</u>	<u>LIMIT</u>	<u>UNITS</u>
Naphthalene	360 J	690	ug/kg
Acenaphthylene	460 J	690	ug/kg
Acenaphthene	1800	690	ug/kg
Fluorene	1200	690	ug/kg
Phenanthrene	11000	690	ug/kg
Anthracene	3400	690	ug/kg
Fluoranthene	20000	690	ug/kg
Pyrene	17000	690	ug/kg
Benzo (a) anthracene	13000	690	ug/kg
Chrysene	13000	690	ug/kg
Benzo (b) fluoranthene	15000	690	ug/kg
Benzo (k) fluoranthene	7600	690	ug/kg
Benzo (a) pyrene	13000	690	ug/kg
Indeno (1, 2, 3-cd) pyrene	8800	690	ug/kg
Dibenzo (a, h) anthracene	2600	690	ug/kg
Benzo (ghi) perylene	9900	690	ug/kg

NOTE (S) :

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: 021-AETP-12 (1.5-2)

## GC Semivolatiles

Lot-Sample #....: C7E110175-008    Work Order #....: JWQ2X1AJ    Matrix.....: SOLID  
 Date Sampled....: 05/10/07    Date Received...: 05/11/07    MS Run #.....: 7134030  
 Prep Date.....: 05/14/07    Analysis Date...: 05/15/07  
 Prep Batch #....: 7134038    Analysis Time...: 20:26  
 Dilution Factor: 1  
 % Moisture.....: 3.9    Method.....: SW846 8082

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
Aroclor 1016	ND	17	ug/kg
Aroclor 1221	ND	17	ug/kg
Aroclor 1232	ND	17	ug/kg
Aroclor 1242	ND	17	ug/kg
<b>Aroclor 1248</b>	<b>770</b>	<b>17</b>	<b>ug/kg</b>
<b>Aroclor 1254</b>	<b>1200</b>	<b>17</b>	<b>ug/kg</b>
Aroclor 1260	ND	17	ug/kg

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>	
		<u>RECOVERY</u>	<u>LIMITS</u>
Tetrachloro-m-xylene	78	(31 - 127)	
Decachlorobiphenyl	74	(23 - 141)	

NOTE (S) :

Results and reporting limits have been adjusted for dry weight.

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: 021-AETP-12 (1.5-2)

## TOTAL Metals

Lot-Sample #....: C7E110175-008

Matrix.....: SOLID

Date Sampled...: 05/10/07

Date Received..: 05/11/07

% Moisture.....: 3.9

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS				
<b>Prep Batch #....: 7134064</b>							
Silver	0.10	0.10	mg/kg	SW846 6020	Analysis Time...: 19:52	05/14-05/16/07	JWQ2X1AP
		Dilution Factor: 1				MS Run #.....:	7134039
Aluminum	5850	3.1	mg/kg	SW846 6020	Analysis Time...: 19:52	05/14-05/16/07	JWQ2X1AQ
		Dilution Factor: 1				MS Run #.....:	7134039
Arsenic	1.0	0.10	mg/kg	SW846 6020	Analysis Time...: 19:52	05/14-05/16/07	JWQ2X1AR
		Dilution Factor: 1				MS Run #.....:	7134039
Barium	93.7 J	1.0	mg/kg	SW846 6020	Analysis Time...: 19:52	05/14-05/16/07	JWQ2X1AT
		Dilution Factor: 1				MS Run #.....:	7134039
Beryllium	0.78	0.10	mg/kg	SW846 6020	Analysis Time...: 19:52	05/14-05/16/07	JWQ2X1AU
		Dilution Factor: 1				MS Run #.....:	7134039
Calcium	83000	10.4	mg/kg	SW846 6020	Analysis Time...: 19:52	05/14-05/16/07	JWQ2X1AV
		Dilution Factor: 1				MS Run #.....:	7134039
Cadmium	1.1	0.10	mg/kg	SW846 6020	Analysis Time...: 19:52	05/14-05/16/07	JWQ2X1AW
		Dilution Factor: 1				MS Run #.....:	7134039
Cobalt	2.5	0.052	mg/kg	SW846 6020	Analysis Time...: 19:52	05/14-05/16/07	JWQ2X1AX
		Dilution Factor: 1				MS Run #.....:	7134039
Chromium	614 J	0.21	mg/kg	SW846 6020	Analysis Time...: 19:52	05/14-05/16/07	JWQ2X1A0
		Dilution Factor: 1				MS Run #.....:	7134039
Copper	26.6	0.21	mg/kg	SW846 6020	Analysis Time...: 19:52	05/14-05/16/07	JWQ2X1A1
		Dilution Factor: 1				MS Run #.....:	7134039
Iron	99600	52.0	mg/kg	SW846 6020	Analysis Time...: 19:56	05/14-05/16/07	JWQ2X1A2
		Dilution Factor: 10				MS Run #.....:	7134039
Potassium	471	10.4	mg/kg	SW846 6020	Analysis Time...: 19:52	05/14-05/16/07	JWQ2X1A3
		Dilution Factor: 1				MS Run #.....:	7134039

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## Langan Engineering &amp; Environmental Svcs

Client Sample ID: 021-AETP-12 (1.5-2)

## TOTAL Metals

Lot-Sample #....: C7E110175-008

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK
		LIMIT	UNITS		ANALYSIS DATE	ORDER #
Magnesium	31300	10.4	mg/kg	SW846 6020	05/14-05/16/07	JWQ2X1A4
		Dilution Factor: 1		Analysis Time...: 19:52	MS Run #.....:	7134039
Manganese	9910	0.52	mg/kg	SW846 6020	05/14-05/16/07	JWQ2X1A5
		Dilution Factor: 10		Analysis Time...: 19:56	MS Run #.....:	7134039
Sodium	887	10.4	mg/kg	SW846 6020	05/14-05/16/07	JWQ2X1A6
		Dilution Factor: 1		Analysis Time...: 19:52	MS Run #.....:	7134039
Nickel	11.4	0.10	mg/kg	SW846 6020	05/14-05/16/07	JWQ2X1A7
		Dilution Factor: 1		Analysis Time...: 19:52	MS Run #.....:	7134039
Lead	134	0.10	mg/kg	SW846 6020	05/14-05/16/07	JWQ2X1AA
		Dilution Factor: 1		Analysis Time...: 19:52	MS Run #.....:	7134039
Selenium	0.18 B	0.52	mg/kg	SW846 6020	05/14-05/16/07	JWQ2X1AC
		Dilution Factor: 1		Analysis Time...: 19:52	MS Run #.....:	7134039
Thallium	0.028 B,J	0.10	mg/kg	SW846 6020	05/14-05/16/07	JWQ2X1AD
		Dilution Factor: 1		Analysis Time...: 19:52	MS Run #.....:	7134039
Antimony	0.45	0.21	mg/kg	SW846 6020	05/14-05/16/07	JWQ2X1AE
		Dilution Factor: 1		Analysis Time...: 19:52	MS Run #.....:	7134039
Vanadium	111 J	0.10	mg/kg	SW846 6020	05/14-05/16/07	JWQ2X1AF
		Dilution Factor: 1		Analysis Time...: 19:52	MS Run #.....:	7134039
Zinc	444 J	0.52	mg/kg	SW846 6020	05/14-05/16/07	JWQ2X1AG
		Dilution Factor: 1		Analysis Time...: 19:52	MS Run #.....:	7134039
Prep Batch #....: 7150069						
Mercury	0.28	0.034	mg/kg	SW846 7471A	05/30/07	JWQ2X1AH
		Dilution Factor: 1		Analysis Time...: 15:23	MS Run #.....:	7150055

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

B Estimated result. Result is less than RL.

Langan Engineering & Environmental Svcs

Client Sample ID: 021-AETP-12 (1.5-2)

General Chemistry

Lot-Sample #....: C7E110175-008    Work Order #....: JWQ2X    Matrix.....: SOLID  
Date Sampled...: 05/10/07              Date Received..: 05/11/07  
\* Moisture.....: 3.9

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-	PREP
					ANALYSIS DATE	BATCH #
Percent Solids	96.1		%	MCAWW 160.3 MOD	05/11/05/12/07	7131209
		Dilution Factor:	1	Analysis Time..:	08:17	MS Run #.....: 7131153

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: 022-AETP-12 (9.5-10)

## GC/MS Volatiles

Lot-Sample #....: C7E110175-009    Work Order #....: JWQ201AK    Matrix.....: SOLID  
 Date Sampled....: 05/10/07    Date Received...: 05/11/07    MS Run #.....:  
 Prep Date.....: 05/17/07    Analysis Date...: 05/17/07  
 Prep Batch #....: 7137087    Analysis Time...: 11:23  
 Dilution Factor: 0.83  
 % Moisture.....: 4.5    Method.....: SW846 8260B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
Acetone	ND	17	ug/kg
Benzene	ND	4.3	ug/kg
Bromodichloromethane	ND	4.3	ug/kg
Bromoform	ND	4.3	ug/kg
Bromomethane	ND	4.3	ug/kg
2-Butanone	ND	4.3	ug/kg
Carbon disulfide	ND	4.3	ug/kg
Carbon tetrachloride	ND	4.3	ug/kg
Chlorobenzene	ND	4.3	ug/kg
Chloroethane	ND	4.3	ug/kg
Chloroform	ND	4.3	ug/kg
Chloromethane	ND	4.3	ug/kg
Cyclohexane	ND	4.3	ug/kg
Dibromochloromethane	ND	4.3	ug/kg
1,2-Dibromo-3-chloro-propane	ND	4.3	ug/kg
1,2-Dibromoethane	ND	4.3	ug/kg
1,3-Dichlorobenzene	ND	4.3	ug/kg
1,4-Dichlorobenzene	ND	4.3	ug/kg
1,2-Dichlorobenzene	ND	4.3	ug/kg
Dichlorodifluoromethane	ND	4.3	ug/kg
1,1-Dichloroethane	ND	4.3	ug/kg
1,2-Dichloroethane	ND	4.3	ug/kg
1,1-Dichloroethene	ND	4.3	ug/kg
cis-1,2-Dichloroethene	ND	4.3	ug/kg
trans-1,2-Dichloroethene	ND	4.3	ug/kg
1,2-Dichloropropane	ND	4.3	ug/kg
cis-1,3-Dichloropropene	ND	4.3	ug/kg
trans-1,3-Dichloropropene	ND	4.3	ug/kg
Ethylbenzene	ND	4.3	ug/kg
2-Hexanone	ND	4.3	ug/kg
Isopropylbenzene	ND	4.3	ug/kg
Methyl acetate	ND	4.3	ug/kg
Methylene chloride	ND	4.3	ug/kg
Methylcyclohexane	ND	4.3	ug/kg
4-Methyl-2-pentanone	ND	4.3	ug/kg
Methyl tert-butyl ether	ND	4.3	ug/kg
Styrene	ND	4.3	ug/kg

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## Langan Engineering &amp; Environmental Svcs

Client Sample ID: 022-AETP-12 (9.5-10)

## GC/MS Volatiles

Lot-Sample #....: C7E110175-009 Work Order #....: JWQ201AK Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,1,2,2-Tetrachloroethane	ND	4.3	ug/kg
1,2,4-Trichloro- benzene	ND	4.3	ug/kg
Tetrachloroethene	ND	4.3	ug/kg
1,1,1-Trichloroethane	ND	4.3	ug/kg
1,1,2-Trichloroethane	ND	4.3	ug/kg
Trichloroethene	ND	4.3	ug/kg
Trichlorofluoromethane	ND	4.3	ug/kg
1,1,2-Trichloro- 1,2,2-trifluoroethane	ND	4.3	ug/kg
Toluene	ND	4.3	ug/kg
Vinyl chloride	ND	4.3	ug/kg
Xylenes (total)	ND	13	ug/kg
<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	
1,2-Dichloroethane-d4	92	(52 - 124)	
Toluene-d8	98	(72 - 127)	
4-Bromofluorobenzene	96	(63 - 120)	
Dibromofluoromethane	91	(68 - 121)	

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: 022-AETP-12 (9.5-10)

## GC/MS Semivolatiles

Lot-Sample #....: C7E110175-009    Work Order #....: JWQ201AL    Matrix.....: SOLID  
 Date Sampled....: 05/10/07    Date Received...: 05/11/07    MS Run #.....: 7135005  
 Prep Date.....: 05/15/07    Analysis Date...: 06/01/07  
 Prep Batch #....: 7135014    Analysis Time...: 04:46  
 Dilution Factor: 1  
 % Moisture.....: 4.5    Method.....: SW846 8270C

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
Acetophenone	ND	350	ug/kg
Atrazine	ND	350	ug/kg
Benzaldehyde	ND	350	ug/kg
1,1'-Biphenyl	ND	350	ug/kg
bis(2-Chloroethoxy) methane	ND	350	ug/kg
bis(2-Chloroethyl)- ether	ND	350	ug/kg
bis(2-Ethylhexyl) phthalate	ND	350	ug/kg
4-Bromophenyl phenyl ether	ND	350	ug/kg
Butyl benzyl phthalate	ND	350	ug/kg
Caprolactam	ND	350	ug/kg
Carbazole	160 J	350	ug/kg
4-Chloroaniline	ND	350	ug/kg
4-Chloro-3-methylphenol	ND	350	ug/kg
2-Chloronaphthalene	ND	350	ug/kg
2-Chlorophenol	ND	350	ug/kg
4-Chlorophenyl phenyl ether	ND	350	ug/kg
Dibenzofuran	84 J	350	ug/kg
3,3'-Dichlorobenzidine	ND	1700	ug/kg
2,4-Dichlorophenol	ND	350	ug/kg
Diethyl phthalate	ND	350	ug/kg
2,4-Dimethylphenol	ND	350	ug/kg
Dimethyl phthalate	ND	350	ug/kg
Di-n-butyl phthalate	ND	350	ug/kg
4,6-Dinitro- 2-methylphenol	ND	1700	ug/kg
2,4-Dinitrophenol	ND	1700	ug/kg
2,4-Dinitrotoluene	ND	350	ug/kg
2,6-Dinitrotoluene	ND	350	ug/kg
Di-n-octyl phthalate	ND	350	ug/kg
Hexachlorobenzene	ND	350	ug/kg
Hexachlorobutadiene	ND	350	ug/kg
Hexachlorocyclopenta- diene	ND	1700	ug/kg

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## Langan Engineering &amp; Environmental Svcs

Client Sample ID: 022-AFTP-12 (9.5-10)

## GC/MS Semivolatiles

Lot-Sample #....: C7E110175-009 Work Order #....: JWQ201AL Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Hexachloroethane	ND	350	ug/kg
Isophorone	ND	350	ug/kg
2-Methylnaphthalene	36 J	350	ug/kg
2-Methylphenol	ND	350	ug/kg
4-Methylphenol	ND	350	ug/kg
2-Nitroaniline	ND	1700	ug/kg
3-Nitroaniline	ND	1700	ug/kg
4-Nitroaniline	ND	1700	ug/kg
Nitrobenzene	ND	350	ug/kg
2-Nitrophenol	ND	350	ug/kg
4-Nitrophenol	ND	1700	ug/kg
N-Nitrosodi-n-propyl- amine	ND	350	ug/kg
N-Nitrosodiphenylamine	ND	350	ug/kg
2,2'-oxybis(1-Chloropropane)	ND	350	ug/kg
Pentachlorophenol	ND	1700	ug/kg
Phenol	ND	350	ug/kg
2,4,5-Trichloro- phenol	ND	350	ug/kg
2,4,6-Trichloro- phenol	ND	350	ug/kg

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
2,4,6-Tribromophenol	43	(21 - 144)
2-Fluorobiphenyl	57	(26 - 128)
2-Fluorophenol	57	(34 - 115)
Nitrobenzene-d5	60	(30 - 118)
Phenol-d5	67	(35 - 117)
Terphenyl-d14	80	(40 - 115)

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: 022-AETP-12 (9.5-10)

## GC/MS Semivolatiles

Lot-Sample #....: C7E110175-009    Work Order #....: JWQ201AM    Matrix.....: SOLID  
 Date Sampled....: 05/10/07    Date Received...: 05/11/07    MS Run #.....: 7135006  
 Prep Date.....: 05/15/07    Analysis Date...: 05/16/07  
 Prep Batch #....: 7135015    Analysis Time...: 06:11  
 Dilution Factor: 10  
 % Moisture.....: 4.5    Method.....: SW846 8270C SIM

<u>PARAMETER</u>	<u>REPORTING</u>		
	<u>RESULT</u>	<u>LIMIT</u>	<u>UNITS</u>
Naphthalene	270	70	ug/kg
Acenaphthylene	260	70	ug/kg
Acenaphthene	560	70	ug/kg
Fluorene	400	70	ug/kg
Phenanthrene	2500	70	ug/kg
Anthracene	860	70	ug/kg
Fluoranthene	3700	70	ug/kg
Pyrene	3000	70	ug/kg
Benzo(a)anthracene	2200	70	ug/kg
Chrysene	2100	70	ug/kg
Benzo(b)fluoranthene	2600	70	ug/kg
Benzo(k)fluoranthene	1200	70	ug/kg
Benzo(a)pyrene	2000	70	ug/kg
Indeno(1,2,3-cd)pyrene	1300	70	ug/kg
Dibenzo(a,h)anthracene	380	70	ug/kg
Benzo(ghi)perylene	1500	70	ug/kg

NOTE (S) :

Results and reporting limits have been adjusted for dry weight.

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: 022-AETP-12 (9.5-10)

## GC Semivolatiles

**Lot-Sample #....:** C7E110175-009    **Work Order #....:** JWQ201AJ    **Matrix.....:** SOLID  
**Date Sampled....:** 05/10/07    **Date Received...:** 05/11/07    **MS Run #.....:** 7134030  
**Prep Date.....:** 05/14/07    **Analysis Date...:** 05/15/07  
**Prep Batch #....:** 7134038    **Analysis Time...:** 20:50  
**Dilution Factor:** 1  
**% Moisture.....:** 4.5    **Method.....:** SW846 8082

<u>PARAMETER</u>	<u>REPORTING</u>		
	<u>RESULT</u>	<u>LIMIT</u>	<u>UNITS</u>
Aroclor 1016	ND	17	ug/kg
Aroclor 1221	ND	17	ug/kg
Aroclor 1232	ND	17	ug/kg
Aroclor 1242	ND	17	ug/kg
<b>Aroclor 1248</b>	<b>140</b>	<b>17</b>	<b>ug/kg</b>
Aroclor 1254	ND	17	ug/kg
<b>Aroclor 1260</b>	<b>110</b>	<b>17</b>	<b>ug/kg</b>

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>	
		<u>RECOVERY</u>	<u>LIMITS</u>
Tetrachloro-m-xylene	85	(31 - 127)	
Decachlorobiphenyl	78	(23 - 141)	

**NOTE(S) :**

Results and reporting limits have been adjusted for dry weight.

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: 022-AETP-12 (9.5-10)

## TOTAL Metals

Lot-Sample #....: C7E110175-009  
 Date Sampled....: 05/10/07      Date Received...: 05/11/07  
 % Moisture.....: 4.5

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS				
<b>Prep Batch #....: 7134064</b>							
Silver	0.099 B	0.10	mg/kg	SW846 6020	Analysis Time...: 20:01	05/14-05/16/07	JWQ201AP
		Dilution Factor: 1				MS Run #.....:	7134039
Aluminum	4380	3.1	mg/kg	SW846 6020	Analysis Time...: 20:01	05/14-05/16/07	JWQ201AQ
		Dilution Factor: 1				MS Run #.....:	7134039
Arsenic	1.8	0.10	mg/kg	SW846 6020	Analysis Time...: 20:01	05/14-05/16/07	JWQ201AR
		Dilution Factor: 1				MS Run #.....:	7134039
Barium	30.8 J	1.0	mg/kg	SW846 6020	Analysis Time...: 20:01	05/14-05/16/07	JWQ201AT
		Dilution Factor: 1				MS Run #.....:	7134039
Beryllium	0.21	0.10	mg/kg	SW846 6020	Analysis Time...: 20:01	05/14-05/16/07	JWQ201AU
		Dilution Factor: 1				MS Run #.....:	7134039
Calcium	52800	10.5	mg/kg	SW846 6020	Analysis Time...: 20:01	05/14-05/16/07	JWQ201AV
		Dilution Factor: 1				MS Run #.....:	7134039
Cadmium	0.96	0.10	mg/kg	SW846 6020	Analysis Time...: 20:01	05/14-05/16/07	JWQ201AW
		Dilution Factor: 1				MS Run #.....:	7134039
Cobalt	4.1	0.052	mg/kg	SW846 6020	Analysis Time...: 20:01	05/14-05/16/07	JWQ201AX
		Dilution Factor: 1				MS Run #.....:	7134039
Chromium	481 J	0.21	mg/kg	SW846 6020	Analysis Time...: 20:01	05/14-05/16/07	JWQ201A0
		Dilution Factor: 1				MS Run #.....:	7134039
Copper	27.8	0.21	mg/kg	SW846 6020	Analysis Time...: 20:01	05/14-05/16/07	JWQ201A1
		Dilution Factor: 1				MS Run #.....:	7134039
Iron	57100	52.4	mg/kg	SW846 6020	Analysis Time...: 20:05	05/14-05/16/07	JWQ201A2
		Dilution Factor: 10				MS Run #.....:	7134039
Potassium	341	10.5	mg/kg	SW846 6020	Analysis Time...: 20:01	05/14-05/16/07	JWQ201A3
		Dilution Factor: 1				MS Run #.....:	7134039

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## Langan Engineering &amp; Environmental Svcs

Client Sample ID: 022-AETP-12 (9.5-10)

## TOTAL Metals

Lot-Sample #....: C7E110175-009

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS				
Magnesium	43600	10.5	mg/kg	SW846 6020	Dilution Factor: 1	Analysis Time...: 20:01	05/14-05/16/07 JWQ201A4 MS Run #.....: 7134039
Manganese	8070	0.52	mg/kg	SW846 6020	Dilution Factor: 10	Analysis Time...: 20:05	05/14-05/16/07 JWQ201A5 MS Run #.....: 7134039
Sodium	213	10.5	mg/kg	SW846 6020	Dilution Factor: 1	Analysis Time...: 20:01	05/14-05/16/07 JWQ201A6 MS Run #.....: 7134039
Nickel	19.6	0.10	mg/kg	SW846 6020	Dilution Factor: 1	Analysis Time...: 20:01	05/14-05/16/07 JWQ201A7 MS Run #.....: 7134039
Lead	326	0.10	mg/kg	SW846 6020	Dilution Factor: 1	Analysis Time...: 20:01	05/14-05/16/07 JWQ201AA MS Run #.....: 7134039
Selenium	0.23 B	0.52	mg/kg	SW846 6020	Dilution Factor: 1	Analysis Time...: 20:01	05/14-05/16/07 JWQ201AC MS Run #.....: 7134039
Thallium	0.038 B,J	0.10	mg/kg	SW846 6020	Dilution Factor: 1	Analysis Time...: 20:01	05/14-05/16/07 JWQ201AD MS Run #.....: 7134039
Antimony	2.6	0.21	mg/kg	SW846 6020	Dilution Factor: 1	Analysis Time...: 20:01	05/14-05/16/07 JWQ201AE MS Run #.....: 7134039
Vanadium	134 J	0.10	mg/kg	SW846 6020	Dilution Factor: 1	Analysis Time...: 20:01	05/14-05/16/07 JWQ201AF MS Run #.....: 7134039
Zinc	176 J	0.52	mg/kg	SW846 6020	Dilution Factor: 1	Analysis Time...: 20:01	05/14-05/16/07 JWQ201AG MS Run #.....: 7134039
Prep Batch #....: 7150069							
Mercury	0.088	0.035	mg/kg	SW846 7471A	Dilution Factor: 1	Analysis Time...: 15:25	05/30/07 JWQ201AH MS Run #.....: 7150055

NOTE (S) :

Results and reporting limits have been adjusted for dry weight.

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Svcs

Client Sample ID: 022-AETP-12 (9.5-10)

General Chemistry

Lot-Sample #....: C7E110175-009    Work Order #....: JWQ20    Matrix.....: SOLID  
Date Sampled....: 05/10/07    Date Received..: 05/11/07  
% Moisture.....: 4.5

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-	PREP
					ANALYSIS DATE	BATCH #
Percent Solids	95.5		%	MCAWW 160.3 MOD	05/11-05/12/07	7131209
		Dilution Factor: 1		Analysis Time...: 08:17		MS Run #.....: 7131153

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: 023-AETP-10 (15-20)

## GC/MS Volatiles

Lot-Sample #....: C7E110175-010    Work Order #....: JWQ221AK    Matrix.....: SOLID  
 Date Sampled....: 05/10/07    Date Received...: 05/11/07    MS Run #.....:  
 Prep Date.....: 05/17/07    Analysis Date...: 05/17/07  
 Prep Batch #....: 7137087    Analysis Time...: 10:35  
 Dilution Factor: 1.21  
 % Moisture.....: 14    Method.....: SW846 8260B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
Acetone	ND	28	ug/kg
Benzene	ND	7.1	ug/kg
Bromodichloromethane	ND	7.1	ug/kg
Bromoform	ND	7.1	ug/kg
Bromomethane	ND	7.1	ug/kg
2-Butanone	ND	7.1	ug/kg
Carbon disulfide	ND	7.1	ug/kg
Carbon tetrachloride	ND	7.1	ug/kg
Chlorobenzene	ND	7.1	ug/kg
Chloroethane	ND	7.1	ug/kg
Chloroform	ND	7.1	ug/kg
Chloromethane	ND	7.1	ug/kg
Cyclohexane	ND	7.1	ug/kg
Dibromochloromethane	ND	7.1	ug/kg
1,2-Dibromo-3-chloro-propane	ND	7.1	ug/kg
1,2-Dibromoethane	ND	7.1	ug/kg
1,3-Dichlorobenzene	ND	7.1	ug/kg
1,4-Dichlorobenzene	ND	7.1	ug/kg
1,2-Dichlorobenzene	ND	7.1	ug/kg
Dichlorodifluoromethane	ND	7.1	ug/kg
1,1-Dichloroethane	ND	7.1	ug/kg
1,2-Dichloroethane	ND	7.1	ug/kg
1,1-Dichloroethene	ND	7.1	ug/kg
cis-1,2-Dichloroethene	ND	7.1	ug/kg
trans-1,2-Dichloroethene	ND	7.1	ug/kg
1,2-Dichloropropane	ND	7.1	ug/kg
cis-1,3-Dichloropropene	ND	7.1	ug/kg
trans-1,3-Dichloropropene	ND	7.1	ug/kg
Ethylbenzene	ND	7.1	ug/kg
2-Hexanone	ND	7.1	ug/kg
Isopropylbenzene	ND	7.1	ug/kg
Methyl acetate	ND	7.1	ug/kg
Methylene chloride	3.7 J	7.1	ug/kg
Methylcyclohexane	ND	7.1	ug/kg
4-Methyl-2-pentanone	ND	7.1	ug/kg
Methyl tert-butyl ether	ND	7.1	ug/kg
Styrene	ND	7.1	ug/kg

(Continued on next page)

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: 023-AKTP-10 (15-20)

## GC/MS Volatiles

Lot-Sample #....: C7E110175-010 Work Order #....: JWQ221AK Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,1,2,2-Tetrachloroethane	ND	7.1	ug/kg
1,2,4-Trichloro- benzene	ND	7.1	ug/kg
Tetrachloroethene	ND	7.1	ug/kg
1,1,1-Trichloroethane	ND	7.1	ug/kg
1,1,2-Trichloroethane	ND	7.1	ug/kg
Trichloroethene	ND	7.1	ug/kg
Trichlorofluoromethane	ND	7.1	ug/kg
1,1,2-Trichloro- 1,2,2-trifluoroethane	ND	7.1	ug/kg
Toluene	ND	7.1	ug/kg
Vinyl chloride	ND	7.1	ug/kg
Xylenes (total)	ND	21	ug/kg

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
1,2-Dichloroethane-d4	82	(52 - 124)
Toluene-d8	100	(72 - 127)
4-Bromofluorobenzene	93	(63 - 120)
Dibromofluoromethane	83	(68 - 121)

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: 023-AETP-10 (15-20)

## GC/MS Semivolatiles

Lot-Sample #....: C7E110175-010      Work Order #....: JWQ221AL      Matrix.....: SOLID  
 Date Sampled....: 05/10/07      Date Received...: 05/11/07      MS Run #.....: 7135005  
 Prep Date.....: 05/15/07      Analysis Date...: 05/31/07  
 Prep Batch #....: 7135014      Analysis Time...: 13:13  
 Dilution Factor: 2  
 % Moisture.....: 14      Method.....: SW846 8270C

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
Acetophenone	ND	770	ug/kg
Atrazine	ND	770	ug/kg
Benzaldehyde	ND	770	ug/kg
1,1'-Biphenyl	ND	770	ug/kg
bis(2-Chloroethoxy) methane	ND	770	ug/kg
bis(2-Chloroethyl)- ether	ND	770	ug/kg
bis(2-Ethylhexyl) phthalate	ND	770	ug/kg
4-Bromophenyl phenyl ether	ND	770	ug/kg
Butyl benzyl phthalate	ND	770	ug/kg
Caprolactam	ND	770	ug/kg
Carbazole	340 J	770	ug/kg
4-Chloroaniline	ND	770	ug/kg
4-Chloro-3-methylphenol	ND	770	ug/kg
2-Chloronaphthalene	ND	770	ug/kg
2-Chlorophenol	ND	770	ug/kg
4-Chlorophenyl phenyl ether	ND	770	ug/kg
Dibenzofuran	130 J	770	ug/kg
3,3'-Dichlorobenzidine	ND	3700	ug/kg
2,4-Dichlorophenol	ND	770	ug/kg
Diethyl phthalate	ND	770	ug/kg
2,4-Dimethylphenol	ND	770	ug/kg
Dimethyl phthalate	ND	770	ug/kg
Di-n-butyl phthalate	ND	770	ug/kg
4,6-Dinitro- 2-methylphenol	ND	3700	ug/kg
2,4-Dinitrophenol	ND	3700	ug/kg
2,4-Dinitrotoluene	ND	770	ug/kg
2,6-Dinitrotoluene	ND	770	ug/kg
Di-n-octyl phthalate	ND	770	ug/kg
Hexachlorobenzene	ND	770	ug/kg
Hexachlorobutadiene	ND	770	ug/kg
Hexachlorocyclopenta- diene		3700	ug/kg

(Continued on next page)

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: 023-AETP-10 (15-20)

## GC/MS Semivolatiles

Lot-Sample #....: C7E110175-010 Work Order #....: JWQ221AL Matrix.....: SOLID

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Hexachloroethane	ND	770	ug/kg
Isophorone	ND	770	ug/kg
<b>2-Methylnaphthalene</b>	<b>33 J</b>	<b>770</b>	<b>ug/kg</b>
2-Methylphenol	ND	770	ug/kg
4-Methylphenol	ND	770	ug/kg
2-Nitroaniline	ND	3700	ug/kg
3-Nitroaniline	ND	3700	ug/kg
4-Nitroaniline	ND	3700	ug/kg
Nitrobenzene	ND	770	ug/kg
2-Nitrophenol	ND	770	ug/kg
4-Nitrophenol	ND	3700	ug/kg
N-Nitrosodi-n-propyl- amine	ND	770	ug/kg
N-Nitrosodiphenylamine	ND	770	ug/kg
2,2'-oxybis(1-Chloropropane)	ND	770	ug/kg
Pentachlorophenol	ND	3700	ug/kg
Phenol	ND	770	ug/kg
2,4,5-Trichloro- phenol	ND	770	ug/kg
2,4,6-Trichloro- phenol	ND	770	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY	
		LIMITS	
2,4,6-Tribromophenol	41	(21	- 144)
2-Fluorobiphenyl	68	(26	- 128)
2-Fluorophenol	63	(34	- 115)
Nitrobenzene-d5	62	(30	- 118)
Phenol-d5	69	(35	- 117)
Terphenyl-d14	69	(40	- 115)

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: 023-AETP-10 (15-20)

## GC/MS Semivolatiles

Lot-Sample #....: C7E110175-010    Work Order #....: JWQ221AM    Matrix.....: SOLID  
 Date Sampled....: 05/10/07    Date Received...: 05/11/07    MS Run #.....: 7135006  
 Prep Date.....: 05/15/07    Analysis Date...: 05/16/07  
 Prep Batch #....: 7135015    Analysis Time...: 06:39  
 Dilution Factor: 10  
 % Moisture.....: 14    Method.....: SW846 8270C SIM

<u>PARAMETER</u>	<u>REPORTING</u>		
	<u>RESULT</u>	<u>LIMIT</u>	<u>UNITS</u>
Naphthalene	120	78	ug/kg
Acenaphthylene	210	78	ug/kg
Acenaphthene	390	78	ug/kg
Fluorene	290	78	ug/kg
Phenanthrene	2500	78	ug/kg
Anthracene	770	78	ug/kg
Fluoranthene	4100	78	ug/kg
Pyrene	4200	78	ug/kg
Benzo(a)anthracene	2600	78	ug/kg
Chrysene	2900	78	ug/kg
Benzo(b)fluoranthene	3400	78	ug/kg
Benzo(k)fluoranthene	1600	78	ug/kg
Benzo(a)pyrene	2700	78	ug/kg
Indeno(1,2,3-cd)pyrene	1800	78	ug/kg
Dibenzo(a,h)anthracene	550	78	ug/kg
Benzo(ghi)perylene	2000	78	ug/kg

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: 023-AETP-10 (15-20)

## GC Semivolatiles

Lot-Sample #....: C7E110175-010    Work Order #....: JWQ221AJ    Matrix.....: SOLID  
 Date Sampled....: 05/10/07    Date Received...: 05/11/07    MS Run #.....: 7134030  
 Prep Date.....: 05/14/07    Analysis Date...: 05/15/07  
 Prep Batch #....: 7134038    Analysis Time...: 21:13  
 Dilution Factor: 1  
 % Moisture.....: 14    Method.....: SW846 8082

<u>PARAMETER</u>	<u>REPORTING</u>		
	<u>RESULT</u>	<u>LIMIT</u>	<u>UNITS</u>
Aroclor 1016	ND	19	ug/kg
Aroclor 1221	ND	19	ug/kg
Aroclor 1232	ND	19	ug/kg
Aroclor 1242	ND	19	ug/kg
<b>Aroclor 1248</b>	<b>140</b>	<b>19</b>	<b>ug/kg</b>
<b>Aroclor 1254</b>	<b>120</b>	<b>19</b>	<b>ug/kg</b>
Aroclor 1260	ND	19	ug/kg

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>	
		<u>RECOVERY</u>	<u>LIMITS</u>
Tetrachloro-m-xylene	93	(31 - 127)	
Decachlorobiphenyl	83	(23 - 141)	

NOTE (S) :

Results and reporting limits have been adjusted for dry weight.

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: 023-AETP-10 (15-20)

## TOTAL Metals

Lot-Sample #....: C7E110175-010

Matrix.....: SOLID

Date Sampled...: 05/10/07

Date Received..: 05/11/07

% Moisture....: 14

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
<b>Prep Batch #....: 7134064</b>						
Silver	0.20	0.12	mg/kg	SW846 6020 Dilution Factor: 1	05/14-05/16/07 Analysis Time...: 20:09	JWQ221AP MS Run #.....: 7134039
Aluminum	5100	3.5	mg/kg	SW846 6020 Dilution Factor: 1	05/14-05/16/07 Analysis Time...: 20:09	JWQ221AQ MS Run #.....: 7134039
Arsenic	3.3	0.12	mg/kg	SW846 6020 Dilution Factor: 1	05/14-05/16/07 Analysis Time...: 20:09	JWQ221AR MS Run #.....: 7134039
Barium	73.2 J	1.2	mg/kg	SW846 6020 Dilution Factor: 1	05/14-05/16/07 Analysis Time...: 20:09	JWQ221AT MS Run #.....: 7134039
Beryllium	0.15	0.12	mg/kg	SW846 6020 Dilution Factor: 1	05/14-05/16/07 Analysis Time...: 20:09	JWQ221AU MS Run #.....: 7134039
Calcium	25200	11.7	mg/kg	SW846 6020 Dilution Factor: 1	05/14-05/16/07 Analysis Time...: 20:09	JWQ221AV MS Run #.....: 7134039
Cadmium	1.7	0.12	mg/kg	SW846 6020 Dilution Factor: 1	05/14-05/16/07 Analysis Time...: 20:09	JWQ221AW MS Run #.....: 7134039
Cobalt	3.6	0.058	mg/kg	SW846 6020 Dilution Factor: 1	05/14-05/16/07 Analysis Time...: 20:09	JWQ221AX MS Run #.....: 7134039
Chromium	227 J	0.23	mg/kg	SW846 6020 Dilution Factor: 1	05/14-05/16/07 Analysis Time...: 20:09	JWQ221A0 MS Run #.....: 7134039
Copper	21.2	0.23	mg/kg	SW846 6020 Dilution Factor: 1	05/14-05/16/07 Analysis Time...: 20:09	JWQ221A1 MS Run #.....: 7134039
Iron	30100	58.4	mg/kg	SW846 6020 Dilution Factor: 10	05/14-05/20/07 Analysis Time...: 02:44	JWQ221A2 MS Run #.....: 7134039
Potassium	1540	11.7	mg/kg	SW846 6020 Dilution Factor: 1	05/14-05/16/07 Analysis Time...: 20:09	JWQ221A3 MS Run #.....: 7134039

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## Langan Engineering &amp; Environmental Svcs

Client Sample ID: 023-AETP-10 (15-20)

## TOTAL Metals

Lot-Sample #....: C7E110175-010

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS				
Magnesium	17300	11.7	mg/kg	SW846 6020	Analysis Time...: 20:09	05/14-05/16/07	JWQ221A4 MS Run #.....: 7134039
		Dilution Factor: 1					
Manganese	2640	0.58	mg/kg	SW846 6020	Analysis Time...: 02:44	05/14-05/20/07	JWQ221A5 MS Run #.....: 7134039
		Dilution Factor: 10					
Sodium	319	11.7	mg/kg	SW846 6020	Analysis Time...: 20:09	05/14-05/16/07	JWQ221A6 MS Run #.....: 7134039
		Dilution Factor: 1					
Nickel	16.3	0.12	mg/kg	SW846 6020	Analysis Time...: 20:09	05/14-05/16/07	JWQ221A7 MS Run #.....: 7134039
		Dilution Factor: 1					
Lead	157	0.12	mg/kg	SW846 6020	Analysis Time...: 20:09	05/14-05/16/07	JWQ221AA MS Run #.....: 7134039
		Dilution Factor: 1					
Selenium	0.17 B	0.58	mg/kg	SW846 6020	Analysis Time...: 20:09	05/14-05/16/07	JWQ221AC MS Run #.....: 7134039
		Dilution Factor: 1					
Thallium	0.061 B,J	0.12	mg/kg	SW846 6020	Analysis Time...: 20:09	05/14-05/16/07	JWQ221AD MS Run #.....: 7134039
		Dilution Factor: 1					
Antimony	0.38	0.23	mg/kg	SW846 6020	Analysis Time...: 20:09	05/14-05/16/07	JWQ221AE MS Run #.....: 7134039
		Dilution Factor: 1					
Vanadium	57.9 J	0.12	mg/kg	SW846 6020	Analysis Time...: 20:09	05/14-05/16/07	JWQ221AF MS Run #.....: 7134039
		Dilution Factor: 1					
Zinc	453 J	0.58	mg/kg	SW846 6020	Analysis Time...: 20:09	05/14-05/16/07	JWQ221AG MS Run #.....: 7134039
		Dilution Factor: 1					
<b>Prep Batch #....: 7150069</b>							
Mercury	0.091	0.039	mg/kg	SW846 7471A	Analysis Time...: 15:26	05/30/07	JWQ221AH MS Run #.....: 7150055
		Dilution Factor: 1					

**NOTE (S) :**

Results and reporting limits have been adjusted for dry weight.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

B Estimated result. Result is less than RL.

Langan Engineering & Environmental Svcs

Client Sample ID: 023-AETP-10 (15-20)

General Chemistry

Lot-Sample #....: C7E110175-010    Work Order #....: JWQ22    Matrix.....: SOLID  
Date Sampled...: 05/10/07    Date Received...: 05/11/07  
% Moisture.....: 14

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-	PREP
					ANALYSIS DATE	BATCH #
Percent Solids	85.6		%	MCAWW 160.3 MOD	05/11-05/12/07	7131209
		Dilution Factor:	1	Analysis Time...: 08:17	MS Run #.....:	7131153

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: 024-AETP-10

## GC/MS Volatiles

Lot-Sample #....: C7E110175-011    Work Order #....: JWQ241AK    Matrix.....: SOLID  
 Date Sampled....: 05/10/07    Date Received...: 05/11/07    MS Run #.....:  
 Prep Date.....: 05/17/07    Analysis Date...: 05/17/07  
 Prep Batch #....: 7137087    Analysis Time...: 10:59  
 Dilution Factor: 1.07  
 % Moisture.....: 12    Method.....: SW846 8260B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Acetone	ND	24	ug/kg
Benzene	ND	6.1	ug/kg
Bromodichloromethane	ND	6.1	ug/kg
Bromoform	ND	6.1	ug/kg
Bromomethane	ND	6.1	ug/kg
2-Butanone	ND	6.1	ug/kg
Carbon disulfide	ND	6.1	ug/kg
Carbon tetrachloride	ND	6.1	ug/kg
Chlorobenzene	ND	6.1	ug/kg
Chloroethane	ND	6.1	ug/kg
Chloroform	ND	6.1	ug/kg
Chloromethane	ND	6.1	ug/kg
Cyclohexane	ND	6.1	ug/kg
Dibromochloromethane	ND	6.1	ug/kg
1,2-Dibromo-3-chloropropane	ND	6.1	ug/kg
1,2-Dibromoethane	ND	6.1	ug/kg
1,3-Dichlorobenzene	ND	6.1	ug/kg
1,4-Dichlorobenzene	ND	6.1	ug/kg
1,2-Dichlorobenzene	ND	6.1	ug/kg
Dichlorodifluoromethane	ND	6.1	ug/kg
1,1-Dichloroethane	ND	6.1	ug/kg
1,2-Dichloroethane	ND	6.1	ug/kg
1,1-Dichloroethene	ND	6.1	ug/kg
cis-1,2-Dichloroethene	ND	6.1	ug/kg
trans-1,2-Dichloroethene	ND	6.1	ug/kg
1,2-Dichloropropane	ND	6.1	ug/kg
cis-1,3-Dichloropropene	ND	6.1	ug/kg
trans-1,3-Dichloropropene	ND	6.1	ug/kg
Ethylbenzene	ND	6.1	ug/kg
2-Hexanone	ND	6.1	ug/kg
Isopropylbenzene	ND	6.1	ug/kg
Methyl acetate	ND	6.1	ug/kg
Methylene chloride	ND	6.1	ug/kg
Methylcyclohexane	ND	6.1	ug/kg
4-Methyl-2-pentanone	ND	6.1	ug/kg
Methyl tert-butyl ether	ND	6.1	ug/kg
Styrene	ND	6.1	ug/kg

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## Langan Engineering &amp; Environmental Svcs

Client Sample ID: 024-AETP-10

## GC/MS Volatiles

Lot-Sample #....: C7E110175-011 Work Order #....: JWQ241AK Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
1,1,2,2-Tetrachloroethane	ND	6.1	ug/kg
1,2,4-Trichloro- benzene	ND	6.1	ug/kg
Tetrachloroethene	ND	6.1	ug/kg
1,1,1-Trichloroethane	ND	6.1	ug/kg
1,1,2-Trichloroethane	ND	6.1	ug/kg
Trichloroethene	ND	6.1	ug/kg
Trichlorofluoromethane	ND	6.1	ug/kg
1,1,2-Trichloro- 1,2,2-trifluoroethane	ND	6.1	ug/kg
Toluene	ND	6.1	ug/kg
Vinyl chloride	ND	6.1	ug/kg
Xylenes (total)	ND	18	ug/kg
<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	
		(52 - 124)	(72 - 127)
1,2-Dichloroethane-d4	94	(52 - 124)	(63 - 120)
Toluene-d8	102	(72 - 127)	(68 - 121)
4-Bromofluorobenzene	98		
Dibromofluoromethane	92		

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: 024-AETP-10

## GC/MS Semivolatiles

Lot-Sample #....: C7E110175-011    Work Order #....: JWQ241AL    Matrix.....: SOLID  
 Date Sampled....: 05/10/07    Date Received...: 05/11/07    MS Run #.....: 7135005  
 Prep Date.....: 05/15/07    Analysis Date...: 05/31/07  
 Prep Batch #....: 7135014    Analysis Time...: 13:41  
 Dilution Factor: 1  
 % Moisture.....: 12    Method.....: SW846 8270C

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
Acetophenone	ND	370	ug/kg
Atrazine	ND	370	ug/kg
Benzaldehyde	ND	370	ug/kg
1,1'-Biphenyl	ND	370	ug/kg
bis(2-Chloroethoxy) methane	ND	370	ug/kg
bis(2-Chloroethyl)- ether	ND	370	ug/kg
bis(2-Ethylhexyl) phthalate	ND	370	ug/kg
4-Bromophenyl phenyl ether	ND	370	ug/kg
Butyl benzyl phthalate	ND	370	ug/kg
Caprolactam	ND	370	ug/kg
Carbazole	ND	370	ug/kg
4-Chloroaniline	ND	370	ug/kg
4-Chloro-3-methylphenol	ND	370	ug/kg
2-Choronaphthalene	ND	370	ug/kg
2-Chlorophenol	ND	370	ug/kg
4-Chlorophenyl phenyl ether	ND	370	ug/kg
Dibenzofuran	41 J	370	ug/kg
3,3'-Dichlorobenzidine	ND	1800	ug/kg
2,4-Dichlorophenol	ND	370	ug/kg
Diethyl phthalate	ND	370	ug/kg
2,4-Dimethylphenol	ND	370	ug/kg
Dimethyl phthalate	ND	370	ug/kg
Di-n-butyl phthalate	ND	370	ug/kg
4,6-Dinitro- 2-methylphenol	ND	1800	ug/kg
2,4-Dinitrophenol	ND	1800	ug/kg
2,4-Dinitrotoluene	ND	370	ug/kg
2,6-Dinitrotoluene	ND	370	ug/kg
Di-n-octyl phthalate	ND	370	ug/kg
Hexachlorobenzene	ND	370	ug/kg
Hexachlorobutadiene	ND	370	ug/kg
Hexachlorocyclopenta- diene	ND	1800	ug/kg

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## Langan Engineering &amp; Environmental Svcs

Client Sample ID: 024-AKTP-10

## GC/MS Semivolatiles

Lot-Sample #....: C7E110175-011 Work Order #....: JWQ241AL Matrix.....: SOLID

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Hexachloroethane	ND	370	ug/kg
Isophorone	ND	370	ug/kg
<b>2-Methylnaphthalene</b>	<b>37 J</b>	<b>370</b>	<b>ug/kg</b>
2-Methylphenol	ND	370	ug/kg
<b>4-Methylphenol</b>	<b>49 J</b>	<b>370</b>	<b>ug/kg</b>
2-Nitroaniline	ND	1800	ug/kg
3-Nitroaniline	ND	1800	ug/kg
4-Nitroaniline	ND	1800	ug/kg
Nitrobenzene	ND	370	ug/kg
2-Nitrophenol	ND	370	ug/kg
4-Nitrophenol	ND	1800	ug/kg
N-Nitrosodi-n-propyl- amine	ND	370	ug/kg
N-Nitrosodiphenylamine	ND	370	ug/kg
2,2'-oxybis(1-Chloropropane)	ND	370	ug/kg
Pentachlorophenol	ND	1800	ug/kg
<b>Phenol</b>	<b>99 J</b>	<b>370</b>	<b>ug/kg</b>
2,4,5-Trichloro- phenol	ND	370	ug/kg
2,4,6-Trichloro- phenol	ND	370	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY	
		LIMITS	
2,4,6-Tribromophenol	46	(21	- 144)
2-Fluorobiphenyl	74	(26	- 128)
2-Fluorophenol	56	(34	- 115)
Nitrobenzene-d5	62	(30	- 118)
Phenol-d5	70	(35	- 117)
Terphenyl-d14	76	(40	- 115)

**NOTE (S) :**

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: 024-AETP-10

## GC/MS Semivolatiles

Lot-Sample #....: C7E110175-011	Work Order #....: JWQ241AM	Matrix.....: SOLID
Date Sampled....: 05/10/07	Date Received...: 05/11/07	MS Run #.....: 7135006
Prep Date.....: 05/15/07	Analysis Date...: 05/16/07	
Prep Batch #....: 7135015	Analysis Time...: 07:07	
Dilution Factor: 1		
% Moisture.....: 12	Method.....: SW846 8270C SIM	

<u>PARAMETER</u>	<u>REPORTING</u>		
	<u>RESULT</u>	<u>LIMIT</u>	<u>UNITS</u>
Naphthalene	110	7.6	ug/kg
Acenaphthylene	54	7.6	ug/kg
Acenaphthene	16	7.6	ug/kg
Fluorene	26	7.6	ug/kg
Phenanthrene	220	7.6	ug/kg
Anthracene	59	7.6	ug/kg
Fluoranthene	300	7.6	ug/kg
Pyrene	210	7.6	ug/kg
Benzo(a)anthracene	150	7.6	ug/kg
Chrysene	170	7.6	ug/kg
Benzo(b)fluoranthene	190	7.6	ug/kg
Benzo(k)fluoranthene	86	7.6	ug/kg
Benzo(a)pyrene	140	7.6	ug/kg
Indeno(1,2,3-cd)pyrene	100	7.6	ug/kg
Dibenzo(a,h)anthracene	32	7.6	ug/kg
Benzo(ghi)perylene	120	7.6	ug/kg

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

Langan Engineering & Environmental Svcs

Client Sample ID: 024-AETP-10

GC Semivolatiles

Lot-Sample #....: C7E110175-011    Work Order #....: JWQ241AJ    Matrix.....: SOLID  
Date Sampled....: 05/10/07    Date Received...: 05/11/07    MS Run #.....: 7134030  
Prep Date.....: 05/14/07    Analysis Date...: 05/15/07  
Prep Batch #....: 7134038    Analysis Time...: 21:36  
Dilution Factor: 1  
% Moisture.....: 12    Method.....: SW846 8082

PARAMETER	REPORTING		
	RESULT	LIMIT	UNITS
Aroclor 1016	ND	19	ug/kg
Aroclor 1221	ND	19	ug/kg
Aroclor 1232	ND	19	ug/kg
Aroclor 1242	ND	19	ug/kg
<b>Aroclor 1248</b>	<b>92</b>	<b>19</b>	<b>ug/kg</b>
<b>Aroclor 1254</b>	<b>93</b>	<b>19</b>	<b>ug/kg</b>
Aroclor 1260	ND	19	ug/kg

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Tetrachloro-m-xylene	100	(31 - 127)
Decachlorobiphenyl	100	(23 - 141)

**NOTE(S) :**

Results and reporting limits have been adjusted for dry weight.

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: 024-AETP-10

## TOTAL Metals

Lot-Sample #....: C7E110175-011  
 Date Sampled...: 05/10/07  
 \* Moisture.....: 12

Matrix.....: SOLID

Date Received..: 05/11/07

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS				
Prep Batch #....:	7134064						
Silver	0.038 B	0.11	mg/kg	SW846 6020		05/14-05/16/07 JWQ241AP	
		Dilution Factor: 1		Analysis Time...: 20:13		MS Run #.....: 7134039	
Aluminum	6400	3.4	mg/kg	SW846 6020		05/14-05/16/07 JWQ241AQ	
		Dilution Factor: 1		Analysis Time...: 20:13		MS Run #.....: 7134039	
Arsenic	4.1	0.11	mg/kg	SW846 6020		05/14-05/16/07 JWQ241AR	
		Dilution Factor: 1		Analysis Time...: 20:13		MS Run #.....: 7134039	
Barium	33.4 J	1.1	mg/kg	SW846 6020		05/14-05/16/07 JWQ241AT	
		Dilution Factor: 1		Analysis Time...: 20:13		MS Run #.....: 7134039	
Beryllium	0.41	0.11	mg/kg	SW846 6020		05/14-05/16/07 JWQ241AU	
		Dilution Factor: 1		Analysis Time...: 20:13		MS Run #.....: 7134039	
Calcium	12000	11.4	mg/kg	SW846 6020		05/14-05/16/07 JWQ241AV	
		Dilution Factor: 1		Analysis Time...: 20:13		MS Run #.....: 7134039	
Cadmium	0.40	0.11	mg/kg	SW846 6020		05/14-05/16/07 JWQ241AW	
		Dilution Factor: 1		Analysis Time...: 20:13		MS Run #.....: 7134039	
Cobalt	6.0	0.057	mg/kg	SW846 6020		05/14-05/16/07 JWQ241AX	
		Dilution Factor: 1		Analysis Time...: 20:13		MS Run #.....: 7134039	
Chromium	69.2 J	0.23	mg/kg	SW846 6020		05/14-05/16/07 JWQ241AO	
		Dilution Factor: 1		Analysis Time...: 20:13		MS Run #.....: 7134039	
Copper	28.5	0.23	mg/kg	SW846 6020		05/14-05/16/07 JWQ241A1	
		Dilution Factor: 1		Analysis Time...: 20:13		MS Run #.....: 7134039	
Iron	37000	56.8	mg/kg	SW846 6020		05/14-05/20/07 JWQ241A2	
		Dilution Factor: 10		Analysis Time...: 02:48		MS Run #.....: 7134039	
Potassium	896	11.4	mg/kg	SW846 6020		05/14-05/16/07 JWQ241A3	
		Dilution Factor: 1		Analysis Time...: 20:13		MS Run #.....: 7134039	

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## Langan Engineering &amp; Environmental Svcs

Client Sample ID: 024-AETP-10

## TOTAL Metals

Lot-Sample #....: C7E110175-011

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION-	WORK
		LIMIT	UNITS			ANALYSIS DATE	ORDER #
Magnesium	4560	11.4	mg/kg		SW846 6020	05/14-05/16/07	JWQ241A4
		Dilution Factor: 1			Analysis Time...: 20:13	MS Run #.....:	7134039
Manganese	1640	0.57	mg/kg		SW846 6020	05/14-05/20/07	JWQ241A5
		Dilution Factor: 10			Analysis Time...: 02:48	MS Run #.....:	7134039
Sodium	329	11.4	mg/kg		SW846 6020	05/14-05/16/07	JWQ241A6
		Dilution Factor: 1			Analysis Time...: 20:13	MS Run #.....:	7134039
Nickel	15.8	0.11	mg/kg		SW846 6020	05/14-05/16/07	JWQ241A7
		Dilution Factor: 1			Analysis Time...: 20:13	MS Run #.....:	7134039
Lead	87.4	0.11	mg/kg		SW846 6020	05/14-05/16/07	JWQ241AA
		Dilution Factor: 1			Analysis Time...: 20:13	MS Run #.....:	7134039
Selenium	0.38 B	0.57	mg/kg		SW846 6020	05/14-05/16/07	JWQ241AC
		Dilution Factor: 1			Analysis Time...: 20:13	MS Run #.....:	7134039
Thallium	0.043 B,J	0.11	mg/kg		SW846 6020	05/14-05/16/07	JWQ241AD
		Dilution Factor: 1			Analysis Time...: 20:13	MS Run #.....:	7134039
Antimony	0.42	0.23	mg/kg		SW846 6020	05/14-05/16/07	JWQ241AE
		Dilution Factor: 1			Analysis Time...: 20:13	MS Run #.....:	7134039
Vanadium	27.8 J	0.11	mg/kg		SW846 6020	05/14-05/16/07	JWQ241AF
		Dilution Factor: 1			Analysis Time...: 20:13	MS Run #.....:	7134039
Zinc	233 J	0.57	mg/kg		SW846 6020	05/14-05/16/07	JWQ241AG
		Dilution Factor: 1			Analysis Time...: 20:13	MS Run #.....:	7134039
Prep Batch #....: 7150069							
Mercury	0.025 B	0.037	mg/kg		SW846 7471A	05/30/07	JWQ241AH
		Dilution Factor: 1			Analysis Time...: 15:28	MS Run #.....:	7150055

NOTE (S) :

Results and reporting limits have been adjusted for dry weight.

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Langan Engineering & Environmental Svcs

Client Sample ID: 024-AETP-10

General Chemistry

Lot-Sample #....: C7E110175-011      Work Order #....: JWQ24      Matrix.....: SOLID  
Date Sampled...: 05/10/07      Date Received..: 05/11/07  
% Moisture.....: 12

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-		PREP
					ANALYSIS DATE	BATCH #	
Percent Solids	88.1		%	MCAWW 160.3 MOD	05/11-05/12/07	7131209	
		Dilution Factor: 1		Analysis Time...: 08:17		MS Run #.....: 7131153	

## Langan Engineering &amp; Environmental Svcs

Client Sample ID: 025-TB-2

## GC/MS Volatiles

Lot-Sample #....: C7E110175-012    Work Order #....: JWF271AA    Matrix.....: WATER  
 Date Sampled....: 05/10/07    Date Received...: 05/11/07    MS Run #.....: 7141145  
 Prep Date.....: 05/21/07    Analysis Date...: 05/21/07  
 Prep Batch #....: 7141249    Analysis Time...: 14:03  
 Dilution Factor: 1

Method.....: SW846 8260B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
Acetone	ND	5.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
2-Butanone	ND	5.0	ug/L
Carbon disulfide	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Cyclohexane	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
2-Hexanone	ND	5.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
Methyl acetate	ND	1.0	ug/L
<b>Methylene chloride</b>	<b>0.42 J,B</b>	<b>1.0</b>	<b>ug/L</b>
Methylcyclohexane	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
Methyl tert-butyl ether	ND	1.0	ug/L
Styrene	ND	1.0	ug/L

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## Langan Engineering &amp; Environmental Svcs

Client Sample ID: 025-TB-2

## GC/MS Volatiles

Lot-Sample #....: C7E110175-012 Work Order #....: JWQ271AA Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
1,2,4-Trichloro- benzene	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
1,1,2-Trichloro- 1,2,2-trifluoroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylenes (total)	ND	3.0	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Toluene-d8	94	(71 - 118)
1,2-Dichloroethane-d4	110	(64 - 135)
4-Bromofluorobenzene	97	(70 - 118)
Dibromofluoromethane	108	(64 - 128)

NOTE(S) :

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

## METHOD BLANK REPORT

## GC/MS Volatiles

Client Lot #....: C7E110175  
 MB Lot-Sample #: C7E160000-651

Work Order #....: JW4711AA

Matrix.....: SOLID

Analysis Date...: 05/16/07  
 Dilution Factor: 1

Prep Date.....: 05/16/07  
 Prep Batch #: 7136651

Analysis Time..: 17:09

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	METHOD
Acetone	ND	20	ug/kg	SW846 8260B
Benzene	ND	5.0	ug/kg	SW846 8260B
Bromodichloromethane	ND	5.0	ug/kg	SW846 8260B
Bromoform	ND	5.0	ug/kg	SW846 8260B
Bromomethane	ND	5.0	ug/kg	SW846 8260B
2-Butanone	ND	5.0	ug/kg	SW846 8260B
Carbon disulfide	ND	5.0	ug/kg	SW846 8260B
Carbon tetrachloride	ND	5.0	ug/kg	SW846 8260B
Chlorobenzene	ND	5.0	ug/kg	SW846 8260B
Chloroethane	ND	5.0	ug/kg	SW846 8260B
Chloroform	ND	5.0	ug/kg	SW846 8260B
Chloromethane	ND	5.0	ug/kg	SW846 8260B
Cyclohexane	ND	5.0	ug/kg	SW846 8260B
Dibromochloromethane	ND	5.0	ug/kg	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	5.0	ug/kg	SW846 8260B
1,2-Dibromoethane	ND	5.0	ug/kg	SW846 8260B
1,3-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,4-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,2-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
Dichlorodifluoromethane	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
cis-1,2-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
trans-1,2-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
cis-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
trans-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
Ethylbenzene	ND	5.0	ug/kg	SW846 8260B
2-Hexanone	ND	5.0	ug/kg	SW846 8260B
Isopropylbenzene	ND	5.0	ug/kg	SW846 8260B
Methyl acetate	ND	5.0	ug/kg	SW846 8260B
Methylene chloride	0.94 J	5.0	ug/kg	SW846 8260B
Methylcyclohexane	ND	5.0	ug/kg	SW846 8260B
4-Methyl-2-pentanone	ND	5.0	ug/kg	SW846 8260B
Methyl tert-butyl ether	ND	5.0	ug/kg	SW846 8260B
Styrene	ND	5.0	ug/kg	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	SW846 8260B
1,2,4-Trichloro-benzene	ND	5.0	ug/kg	SW846 8260B

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## METHOD BLANK REPORT

## GC/MS Volatiles

Client Lot #....: C7E110175

Work Order #....: JW4711AA

Matrix.....: SOLID

<u>PARAMETER</u>	REPORTING			<u>METHOD</u>
	<u>RESULT</u>	<u>LIMIT</u>	<u>UNITS</u>	
Tetrachloroethene	ND	5.0	ug/kg	SW846 8260B
1,1,1-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
1,1,2-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
Trichloroethene	ND	5.0	ug/kg	SW846 8260B
Trichlorofluoromethane	ND	5.0	ug/kg	SW846 8260B
1,1,2-Trichloro- 1,2,2-trifluoroethane	ND	5.0	ug/kg	SW846 8260B
Toluene	ND	5.0	ug/kg	SW846 8260B
Vinyl chloride	ND	5.0	ug/kg	SW846 8260B
Xylenes (total)	ND	15	ug/kg	SW846 8260B
<u>SURROGATE</u>	<u>PERCENT</u>	RECOVERY		
		<u>RECOVERY</u>	<u>LIMITS</u>	
1,2-Dichloroethane-d4	75	(52 - 124)		
Toluene-d8	97	(72 - 127)		
4-Bromofluorobenzene	90	(63 - 120)		
Dibromofluoromethane	84	(68 - 121)		

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

J Estimated result. Result is less than RL.

## METHOD BLANK REPORT

## GC/MS Volatiles

Client Lot #....: C7E110175  
 MB Lot-Sample #: C7E170000-087  
 Analysis Date...: 05/17/07  
 Dilution Factor: 1

Work Order #....: JW5CA1AA  
 Prep Date.....: 05/17/07  
 Prep Batch #: 7137087

Matrix.....: SOLID  
 Analysis Time..: 07:03

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	METHOD
Acetone	ND	20	ug/kg	SW846 8260B
Benzene	ND	5.0	ug/kg	SW846 8260B
Bromodichloromethane	ND	5.0	ug/kg	SW846 8260B
Bromoform	ND	5.0	ug/kg	SW846 8260B
Bromomethane	ND	5.0	ug/kg	SW846 8260B
2-Butanone	ND	5.0	ug/kg	SW846 8260B
Carbon disulfide	ND	5.0	ug/kg	SW846 8260B
Carbon tetrachloride	ND	5.0	ug/kg	SW846 8260B
Chlorobenzene	ND	5.0	ug/kg	SW846 8260B
Chloroethane	ND	5.0	ug/kg	SW846 8260B
Chloroform	ND	5.0	ug/kg	SW846 8260B
Chloromethane	ND	5.0	ug/kg	SW846 8260B
Cyclohexane	ND	5.0	ug/kg	SW846 8260B
Dibromochloromethane	ND	5.0	ug/kg	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	5.0	ug/kg	SW846 8260B
1,2-Dibromoethane	ND	5.0	ug/kg	SW846 8260B
1,3-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,4-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,2-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
Dichlorodifluoromethane	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
cis-1,2-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
trans-1,2-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
cis-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
trans-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
Ethylbenzene	ND	5.0	ug/kg	SW846 8260B
2-Hexanone	ND	5.0	ug/kg	SW846 8260B
Isopropylbenzene	ND	5.0	ug/kg	SW846 8260B
Methyl acetate	ND	5.0	ug/kg	SW846 8260B
Methylene chloride	ND	5.0	ug/kg	SW846 8260B
Methylcyclohexane	ND	5.0	ug/kg	SW846 8260B
4-Methyl-2-pentanone	ND	5.0	ug/kg	SW846 8260B
Methyl tert-butyl ether	ND	5.0	ug/kg	SW846 8260B
Styrene	ND	5.0	ug/kg	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	SW846 8260B
1,2,4-Trichloro-benzene	ND	5.0	ug/kg	SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #....: C7E110175

Work Order #....: JW5CA1AA

Matrix.....: SOLID

PARAMETER	REPORTING		
	RESULT	LIMIT	UNITS
Tetrachloroethene	ND	5.0	ug/kg
1,1,1-Trichloroethane	ND	5.0	ug/kg
1,1,2-Trichloroethane	ND	5.0	ug/kg
Trichloroethene	ND	5.0	ug/kg
Trichlorofluoromethane	ND	5.0	ug/kg
1,1,2-Trichloro- 1,2,2-trifluoroethane	ND	5.0	ug/kg
Toluene	ND	5.0	ug/kg
Vinyl chloride	ND	5.0	ug/kg
Xylenes (total)	ND	15	ug/kg

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
1,2-Dichloroethane-d4	89	(52 - 124)
Toluene-d8	101	(72 - 127)
4-Bromofluorobenzene	102	(63 - 120)
Dibromofluoromethane	88	(68 - 121)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

## METHOD BLANK REPORT

## GC/MS Volatiles

Client Lot #....: C7E110175  
 MB Lot-Sample #: C7E210000-249  
 Analysis Date...: 05/21/07  
 Dilution Factor: 1

Work Order #....: JXDJA1AA

Matrix.....: WATER

Prep Date.....: 05/21/07  
 Prep Batch #: 7141249

Analysis Time..: 09:49

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	METHOD
Acetone	ND	5.0	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	1.0	ug/L	SW846 8260B
2-Butanone	ND	5.0	ug/L	SW846 8260B
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	1.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	1.0	ug/L	SW846 8260B
Cyclohexane	ND	1.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	SW846 8260B
1,2-Dibromoethane	ND	1.0	ug/L	SW846 8260B
1,3-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,2-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
Dichlorodifluoromethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
2-Hexanone	ND	5.0	ug/L	SW846 8260B
Isopropylbenzene	ND	1.0	ug/L	SW846 8260B
Methyl acetate	ND	1.0	ug/L	SW846 8260B
Methylene chloride	0.28 J	1.0	ug/L	SW846 8260B
Methylcyclohexane	ND	1.0	ug/L	SW846 8260B
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260B
Methyl tert-butyl ether	ND	1.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
1,2,4-Trichlorobenzene	ND	1.0	ug/L	SW846 8260B

(Continued on next page)

## METHOD BLANK REPORT

## GC/MS Volatiles

Client Lot #....: C7E110175

Work Order #....: JXDJA1AA

Matrix.....: WATER

<u>PARAMETER</u>	REPORTING			
	<u>RESULT</u>	<u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloro- 1,2,2-trifluoroethane	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
Xylenes (total)	ND	3.0	ug/L	SW846 8260B
<u>SURROGATE</u>	PERCENT		RECOVERY	
	<u>RECOVERY</u>		<u>LIMITS</u>	
Toluene-d8	105		(71 - 118)	
1,2-Dichloroethane-d4	104		(64 - 135)	
4-Bromofluorobenzene	100		(70 - 118)	
Dibromofluoromethane	115		(64 - 128)	

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

J Estimated result. Result is less than RL.

**METHOD BLANK REPORT**

**GC/MS Semivolatiles**

**Client Lot #....:** C7E110175  
**MB Lot-Sample #:** C7E150000-014  
**Analysis Date...:** 05/31/07  
**Dilution Factor:** 1

**Work Order #....:** JWX561AA

**Matrix.....:** SOLID

**Prep Date.....:** 05/15/07  
**Prep Batch #....:** 7135014

**Analysis Time..:** 05:20

<b>PARAMETER</b>	<b>REPORTING</b>			
	<b>RESULT</b>	<b>LIMIT</b>	<b>UNITS</b>	<b>METHOD</b>
Acetophenone	ND	330	ug/kg	SW846 8270C
Atrazine	ND	330	ug/kg	SW846 8270C
Benzaldehyde	ND	330	ug/kg	SW846 8270C
1,1'-Biphenyl	ND	330	ug/kg	SW846 8270C
bis(2-Chloroethoxy) methane	ND	330	ug/kg	SW846 8270C
bis(2-Chloroethyl)- ether	ND	330	ug/kg	SW846 8270C
bis(2-Ethylhexyl) phthalate	ND	330	ug/kg	SW846 8270C
4-Bromophenyl phenyl ether	ND	330	ug/kg	SW846 8270C
Butyl benzyl phthalate	ND	330	ug/kg	SW846 8270C
Caprolactam	ND	330	ug/kg	SW846 8270C
Carbazole	ND	330	ug/kg	SW846 8270C
4-Chloroaniline	ND	330	ug/kg	SW846 8270C
4-Chloro-3-methylphenol	ND	330	ug/kg	SW846 8270C
2-Chloronaphthalene	ND	330	ug/kg	SW846 8270C
2-Chlorophenol	ND	330	ug/kg	SW846 8270C
4-Chlorophenyl phenyl ether	ND	330	ug/kg	SW846 8270C
Dibenzofuran	ND	330	ug/kg	SW846 8270C
3,3'-Dichlorobenzidine	ND	1600	ug/kg	SW846 8270C
2,4-Dichlorophenol	ND	330	ug/kg	SW846 8270C
Diethyl phthalate	ND	330	ug/kg	SW846 8270C
2,4-Dimethylphenol	ND	330	ug/kg	SW846 8270C
Dimethyl phthalate	ND	330	ug/kg	SW846 8270C
Di-n-butyl phthalate	ND	330	ug/kg	SW846 8270C
4,6-Dinitro- 2-methylphenol	ND	1600	ug/kg	SW846 8270C
2,4-Dinitrophenol	ND	1600	ug/kg	SW846 8270C
2,4-Dinitrotoluene	ND	330	ug/kg	SW846 8270C
2,6-Dinitrotoluene	ND	330	ug/kg	SW846 8270C
Di-n-octyl phthalate	ND	330	ug/kg	SW846 8270C
Hexachlorobenzene	ND	330	ug/kg	SW846 8270C
Hexachlorobutadiene	ND	330	ug/kg	SW846 8270C
Hexachlorocyclopenta- diene	ND	1600	ug/kg	SW846 8270C
Hexachloroethane	ND	330	ug/kg	SW846 8270C
Isophorone	ND	330	ug/kg	SW846 8270C
2-Methylnaphthalene	ND	330	ug/kg	SW846 8270C

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## METHOD BLANK REPORT

## GC/MS Semivolatiles

Client Lot #....: C7E110175

Work Order #....: JWX561AA

Matrix.....: SOLID

<u>PARAMETER</u>	<u>REPORTING</u>			
	<u>RESULT</u>	<u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
2-Methylphenol	ND	330	ug/kg	SW846 8270C
4-Methylphenol	ND	330	ug/kg	SW846 8270C
2-Nitroaniline	ND	1600	ug/kg	SW846 8270C
3-Nitroaniline	ND	1600	ug/kg	SW846 8270C
4-Nitroaniline	ND	1600	ug/kg	SW846 8270C
Nitrobenzene	ND	330	ug/kg	SW846 8270C
2-Nitrophenol	ND	330	ug/kg	SW846 8270C
4-Nitrophenol	ND	1600	ug/kg	SW846 8270C
N-Nitrosodi-n-propyl- amine	ND	330	ug/kg	SW846 8270C
N-Nitrosodiphenylamine	ND	330	ug/kg	SW846 8270C
2,2'-oxybis(1-Chloropropene)	ND	330	ug/kg	SW846 8270C
Pentachlorophenol	ND	1600	ug/kg	SW846 8270C
Phenol	ND	330	ug/kg	SW846 8270C
2,4,5-Trichloro- phenol	ND	330	ug/kg	SW846 8270C
2,4,6-Trichloro- phenol	ND	330	ug/kg	SW846 8270C
<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>		
	<u>RECOVERY</u>	<u>LIMITS</u>		
2,4,6-Tribromophenol	72	(21 - 144)		
2-Fluorobiphenyl	63	(26 - 128)		
2-Fluorophenol	75	(34 - 115)		
Nitrobenzene-d5	66	(30 - 118)		
Phenol-d5	83	(35 - 117)		
Terphenyl-d14	113	(40 - 115)		

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

## METHOD BLANK REPORT

## GC/MS Semivolatiles

Client Lot #....: C7E110175  
 MB Lot-Sample #: C7E150000-234  
 Analysis Date...: 05/28/07  
 Dilution Factor: 1

Work Order #....: JW0121AA

Matrix.....: WATER

Prep Date.....: 05/15/07  
 Prep Batch #: 7135234

Analysis Time...: 07:06

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>		
		<u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
Acetophenone	ND	10	ug/L	SW846 8270C
Atrazine	ND	10	ug/L	SW846 8270C
Benzaldehyde	ND	10	ug/L	SW846 8270C
1,1'-Biphenyl	ND	10	ug/L	SW846 8270C
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270C
bis(2-Chloroethyl)- ether	ND	10	ug/L	SW846 8270C
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	SW846 8270C
4-Bromophenyl phenyl ether	ND	10	ug/L	SW846 8270C
Butyl benzyl phthalate	ND	10	ug/L	SW846 8270C
Caprolactam	ND	10	ug/L	SW846 8270C
Carbazole	ND	10	ug/L	SW846 8270C
4-Chloroaniline	ND	10	ug/L	SW846 8270C
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270C
2-Chloronaphthalene	ND	10	ug/L	SW846 8270C
2-Chlorophenol	ND	10	ug/L	SW846 8270C
4-Chlorophenyl phenyl ether	ND	10	ug/L	SW846 8270C
Dibenzofuran	ND	10	ug/L	SW846 8270C
3,3'-Dichlorobenzidine	ND	50	ug/L	SW846 8270C
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270C
Diethyl phthalate	ND	10	ug/L	SW846 8270C
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270C
Dimethyl phthalate	ND	10	ug/L	SW846 8270C
Di-n-butyl phthalate	ND	10	ug/L	SW846 8270C
4,6-Dinitro- 2-methylphenol	ND	50	ug/L	SW846 8270C
2,4-Dinitrophenol	ND	50	ug/L	SW846 8270C
2,4-Dinitrotoluene	ND	10	ug/L	SW846 8270C
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270C
Di-n-octyl phthalate	ND	10	ug/L	SW846 8270C
Hexachlorobenzene	ND	10	ug/L	SW846 8270C
Hexachlorobutadiene	ND	10	ug/L	SW846 8270C
Hexachlorocyclopenta- diene	ND	50	ug/L	SW846 8270C
Hexachloroethane	ND	10	ug/L	SW846 8270C
Isophorone	ND	10	ug/L	SW846 8270C
2-Methylnaphthalene	ND	10	ug/L	SW846 8270C

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## METHOD BLANK REPORT

## GC/MS Semivolatiles

Client Lot #....: C7E110175

Work Order #....: JW0121AA

Matrix.....: WATER

<u>PARAMETER</u>	REPORTING			
	<u>RESULT</u>	<u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
2-Methylphenol	ND	10	ug/L	SW846 8270C
4-Methylphenol	ND	10	ug/L	SW846 8270C
2-Nitroaniline	ND	50	ug/L	SW846 8270C
3-Nitroaniline	ND	50	ug/L	SW846 8270C
4-Nitroaniline	ND	50	ug/L	SW846 8270C
Nitrobenzene	ND	10	ug/L	SW846 8270C
2-Nitrophenol	ND	10	ug/L	SW846 8270C
4-Nitrophenol	ND	50	ug/L	SW846 8270C
N-Nitrosodi-n-propyl-amine	ND	10	ug/L	SW846 8270C
N-Nitrosodiphenylamine	ND	10	ug/L	SW846 8270C
2,2'-oxybis(1-Chloropropyl)	ND	10	ug/L	SW846 8270C
Pentachlorophenol	ND	50	ug/L	SW846 8270C
Phenol	ND	10	ug/L	SW846 8270C
2,4,5-Trichloro-phenol	ND	10	ug/L	SW846 8270C
2,4,6-Trichloro-phenol	ND	10	ug/L	SW846 8270C

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>
2,4,6-Tribromophenol	64	(19 - 138)
2-Fluorobiphenyl	64	(35 - 115)
2-Fluorophenol	72	(10 - 118)
Nitrobenzene-d5	61	(39 - 115)
Phenol-d5	79	(18 - 115)
Terphenyl-d14	91	(17 - 129)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

**METHOD BLANK REPORT**

**GC/MS Semivolatiles**

**Client Lot #....:** C7E110175  
**MB Lot-Sample #:** C7E150000-015  
**Analysis Date...:** 05/16/07  
**Dilution Factor:** 1

**Work Order #....:** JWX571AA

**Matrix.....:** SOLID

**Prep Date.....:** 05/15/07

**Analysis Time..:** 02:28

**Prep Batch #....:** 7135015

<b>PARAMETER</b>	<b>REPORTING</b>			
	<b>RESULT</b>	<b>LIMIT</b>	<b>UNITS</b>	<b>METHOD</b>
Naphthalene	ND	6.7	ug/kg	SW846 8270C SIM
Acenaphthylene	ND	6.7	ug/kg	SW846 8270C SIM
Acenaphthene	ND	6.7	ug/kg	SW846 8270C SIM
Fluorene	ND	6.7	ug/kg	SW846 8270C SIM
Phenanthrene	ND	6.7	ug/kg	SW846 8270C SIM
Anthracene	ND	6.7	ug/kg	SW846 8270C SIM
Fluoranthene	ND	6.7	ug/kg	SW846 8270C SIM
Pyrene	ND	6.7	ug/kg	SW846 8270C SIM
Benzo(a)anthracene	ND	6.7	ug/kg	SW846 8270C SIM
Chrysene	ND	6.7	ug/kg	SW846 8270C SIM
Benzo(b)fluoranthene	ND	6.7	ug/kg	SW846 8270C SIM
Benzo(k)fluoranthene	ND	6.7	ug/kg	SW846 8270C SIM
Benzo(a)pyrene	ND	6.7	ug/kg	SW846 8270C SIM
Indeno(1,2,3-cd)pyrene	ND	6.7	ug/kg	SW846 8270C SIM
Dibenzo(a,h)anthracene	ND	6.7	ug/kg	SW846 8270C SIM
Benzo(ghi)perylene	ND	6.7	ug/kg	SW846 8270C SIM

**NOTE(S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #....: C7E110175  
MB Lot-Sample #: C7E150000-237  
Analysis Date...: 05/19/07  
Dilution Factor: 1

Work Order #....: JW02C1AA  
Prep Date.....: 05/15/07  
Prep Batch #: 7135237

Matrix.....: WATER  
Analysis Time..: 04:30

PARAMETER	REPORTING			
	RESULT	LIMIT	UNITS	METHOD
Naphthalene	ND	0.20	ug/L	SW846 8270C SIM
Acenaphthylene	ND	0.20	ug/L	SW846 8270C SIM
Acenaphthene	ND	0.20	ug/L	SW846 8270C SIM
Fluorene	ND	0.20	ug/L	SW846 8270C SIM
Phenanthrene	ND	0.20	ug/L	SW846 8270C SIM
Anthracene	ND	0.20	ug/L	SW846 8270C SIM
Fluoranthene	ND	0.20	ug/L	SW846 8270C SIM
Pyrene	ND	0.20	ug/L	SW846 8270C SIM
Benzo(a)anthracene	ND	0.20	ug/L	SW846 8270C SIM
Chrysene	ND	0.20	ug/L	SW846 8270C SIM
Benzo(b)fluoranthene	ND	0.20	ug/L	SW846 8270C SIM
Benzo(k)fluoranthene	ND	0.20	ug/L	SW846 8270C SIM
Benzo(a)pyrene	ND	0.20	ug/L	SW846 8270C SIM
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L	SW846 8270C SIM
Dibenzo(a,h)anthracene	ND	0.20	ug/L	SW846 8270C SIM
Benzo(ghi)perylene	ND	0.20	ug/L	SW846 8270C SIM

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

**METHOD BLANK REPORT**

**GC Semivolatiles**

**Client Lot #....:** C7E110175  
**MB Lot-Sample #:** C7E110000-457  
**Analysis Date...:** 05/16/07  
**Dilution Factor:** 1

**Work Order #....:** JWTJE1AA

**Matrix.....:** WATER

**Prep Date.....:** 05/11/07  
**Prep Batch #....:** 7131457

**Analysis Time..:** 02:13

<b>PARAMETER</b>	<b>RESULT</b>	<b>REPORTING</b>		
		<b>LIMIT</b>	<b>UNITS</b>	<b>METHOD</b>
Aroclor 1016	ND	0.40	ug/L	SW846 8082
Aroclor 1221	ND	0.40	ug/L	SW846 8082
Aroclor 1232	ND	0.40	ug/L	SW846 8082
Aroclor 1242	ND	0.40	ug/L	SW846 8082
Aroclor 1248	ND	0.40	ug/L	SW846 8082
Aroclor 1254	ND	0.40	ug/L	SW846 8082
Aroclor 1260	ND	0.40	ug/L	SW846 8082

<b>SURROGATE</b>	<b>PERCENT</b>	<b>RECOVERY</b>	
		<b>RECOVERY</b>	<b>LIMITS</b>
Tetrachloro-m-xylene	79	(45 - 120)	
Decachlorobiphenyl	87	(24 - 128)	

**NOTE(S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.

**METHOD BLANK REPORT**

**GC Semivolatiles**

**Client Lot #....:** C7E110175  
**MB Lot-Sample #:** C7E140000-038

**Work Order #....:** JWWM71AA

**Matrix.....:** SOLID

**Prep Date.....:** 05/14/07  
**Prep Batch #....:** 7134038

**Analysis Time..:** 23:55

**Analysis Date...:** 05/15/07  
**Dilution Factor:** 1

<b>PARAMETER</b>	<b>REPORTING</b>			
	<b>RESULT</b>	<b>LIMIT</b>	<b>UNITS</b>	<b>METHOD</b>
Aroclor 1016	ND	17	ug/kg	SW846 8082
Aroclor 1221	ND	17	ug/kg	SW846 8082
Aroclor 1232	ND	17	ug/kg	SW846 8082
Aroclor 1242	ND	17	ug/kg	SW846 8082
Aroclor 1248	ND	17	ug/kg	SW846 8082
Aroclor 1254	ND	17	ug/kg	SW846 8082
Aroclor 1260	ND	17	ug/kg	SW846 8082

<b>SURROGATE</b>	<b>PERCENT</b>	<b>RECOVERY</b>
	<b>RECOVERY</b>	<b>LIMITS</b>
Tetrachloro-m-xylene	91	(31 - 127)
Decachlorobiphenyl	86	(23 - 141)

**NOTE(S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.

## METHOD BLANK REPORT

## TOTAL Metals

Client Lot #....: C7E110175

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
<b>MB Lot-Sample #: C7E140000-064 Prep Batch #....: 7134064</b>						
Silver	ND	0.10	mg/kg	SW846 6020	05/14-05/16/07	JWWN01AA
		Dilution Factor: 1				
		Analysis Time...: 18:22				
Aluminum	ND	3.0	mg/kg	SW846 6020	05/14-05/16/07	JWWN01A4
		Dilution Factor: 1				
		Analysis Time...: 18:22				
Arsenic	ND	0.10	mg/kg	SW846 6020	05/14-05/16/07	JWWN01AC
		Dilution Factor: 1				
		Analysis Time...: 18:22				
Barium	0.0098 B	1.0	mg/kg	SW846 6020	05/14-05/16/07	JWWN01A5
		Dilution Factor: 1				
		Analysis Time...: 18:22				
Beryllium	ND	0.10	mg/kg	SW846 6020	05/14-05/16/07	JWWN01AD
		Dilution Factor: 1				
		Analysis Time...: 18:22				
Calcium	ND	10.0	mg/kg	SW846 6020	05/14-05/16/07	JWWN01A6
		Dilution Factor: 1				
		Analysis Time...: 18:22				
Cadmium	ND	0.10	mg/kg	SW846 6020	05/14-05/16/07	JWWN01AE
		Dilution Factor: 1				
		Analysis Time...: 18:22				
Cobalt	ND	0.050	mg/kg	SW846 6020	05/14-05/16/07	JWWN01A7
		Dilution Factor: 1				
		Analysis Time...: 18:22				
Chromium	0.032 B	0.20	mg/kg	SW846 6020	05/14-05/16/07	JWWN01AF
		Dilution Factor: 1				
		Analysis Time...: 18:22				
Copper	ND	0.20	mg/kg	SW846 6020	05/14-05/16/07	JWWN01AG
		Dilution Factor: 1				
		Analysis Time...: 18:22				
Iron	ND	5.0	mg/kg	SW846 6020	05/14-05/16/07	JWWN01A8
		Dilution Factor: 1				
		Analysis Time...: 18:22				

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## METHOD BLANK REPORT

## TOTAL Metals

Client Lot #...: C7E110175

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION-	WORK
		LIMIT	UNITS	ANALYSIS DATE			
Potassium	ND	10.0	mg/kg	SW846 6020		05/14-05/16/07	JWWN01A9
		Dilution Factor: 1					
		Analysis Time...: 18:22					
Magnesium	ND	10.0	mg/kg	SW846 6020		05/14-05/16/07	JWWN01CA
		Dilution Factor: 1					
		Analysis Time...: 18:22					
Manganese	ND	0.050	mg/kg	SW846 6020		05/14-05/16/07	JWWN01CC
		Dilution Factor: 1					
		Analysis Time...: 18:22					
Sodium	ND	10.0	mg/kg	SW846 6020		05/14-05/16/07	JWWN01CD
		Dilution Factor: 1					
		Analysis Time...: 18:22					
Nickel	ND	0.10	mg/kg	SW846 6020		05/14-05/16/07	JWWN01AH
		Dilution Factor: 1					
		Analysis Time...: 18:22					
Lead	ND	0.10	mg/kg	SW846 6020		05/14-05/16/07	JWWN01AJ
		Dilution Factor: 1					
		Analysis Time...: 18:22					
Selenium	ND	0.50	mg/kg	SW846 6020		05/14-05/16/07	JWWN01AL
		Dilution Factor: 1					
		Analysis Time...: 18:22					
Thallium	0.0066 B	0.10	mg/kg	SW846 6020		05/14-05/16/07	JWWN01AM
		Dilution Factor: 1					
		Analysis Time...: 18:22					
Antimony	ND	0.20	mg/kg	SW846 6020		05/14-05/16/07	JWWN01AK
		Dilution Factor: 1					
		Analysis Time...: 18:22					
Vanadium	0.010 B	0.10	mg/kg	SW846 6020		05/14-05/16/07	JWWN01CE
		Dilution Factor: 1					
		Analysis Time...: 18:22					
Zinc	0.033 B	0.50	mg/kg	SW846 6020		05/14-05/16/07	JWWN01AN
		Dilution Factor: 1					
		Analysis Time...: 18:22					

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**METHOD BLANK REPORT**

**TOTAL Metals**

**Client Lot #....: C7E110175**

**Matrix.....: SOLID**

<b>PARAMETER</b>	<b>RESULT</b>	<b>REPORTING LIMIT</b>	<b>UNITS</b>	<b>METHOD</b>	<b>PREPARATION- ANALYSIS DATE</b>	<b>WORK ORDER #</b>
<b>MB Lot-Sample #: C7E300000-069 Prep Batch #....: 7150069</b>						
Mercury	ND	0.033	mg/kg	SW846 7471A	05/30/07	JXW361AA

**Dilution Factor: 1**  
**Analysis Time...: 15:03**

**NOTE(S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.

B Estimated result. Result is less than RL.

## METHOD BLANK REPORT

## TOTAL Metals

Client Lot #...: C7E110175

Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
<b>MB Lot-Sample #: C7E140000-088 Prep Batch #...: 7134088</b>						
Silver	ND	1.0	ug/L	SW846 6020	05/14-05/16/07	JWWP61AA
		Dilution Factor: 1				
		Analysis Time...: 18:05				
Aluminum	ND	30.0	ug/L	SW846 6020	05/14-05/16/07	JWWP61AC
		Dilution Factor: 1				
		Analysis Time...: 18:05				
Arsenic	ND	1.0	ug/L	SW846 6020	05/14-05/16/07	JWWP61AD
		Dilution Factor: 1				
		Analysis Time...: 18:05				
Barium	ND	10.0	ug/L	SW846 6020	05/14-05/16/07	JWWP61AE
		Dilution Factor: 1				
		Analysis Time...: 18:05				
Beryllium	ND	1.0	ug/L	SW846 6020	05/14-05/16/07	JWWP61AF
		Dilution Factor: 1				
		Analysis Time...: 18:05				
Calcium	ND	100	ug/L	SW846 6020	05/14-05/16/07	JWWP61AG
		Dilution Factor: 1				
		Analysis Time...: 18:05				
Cadmium	ND	1.0	ug/L	SW846 6020	05/14-05/16/07	JWWP61AH
		Dilution Factor: 1				
		Analysis Time...: 18:05				
Cobalt	ND	0.50	ug/L	SW846 6020	05/14-05/16/07	JWWP61AJ
		Dilution Factor: 1				
		Analysis Time...: 18:05				
Chromium	0.23 B	2.0	ug/L	SW846 6020	05/14-05/16/07	JWWP61AK
		Dilution Factor: 1				
		Analysis Time...: 18:05				
Copper	ND	2.0	ug/L	SW846 6020	05/14-05/16/07	JWWP61AL
		Dilution Factor: 1				
		Analysis Time...: 18:05				
Iron	ND	50.0	ug/L	SW846 6020	05/14-05/16/07	JWWP61AM
		Dilution Factor: 1				
		Analysis Time...: 18:05				

(Continued on next page)

## METHOD BLANK REPORT

## TOTAL Metals

Client Lot #....: C7E110175

Matrix.....: WATER

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION-	WORK
		LIMIT	UNITS	ANALYSIS DATE			
Potassium	ND	100	ug/L	SW846 6020		05/14-05/16/07	JWWP61AN
		Dilution Factor: 1					
		Analysis Time...: 18:05					
Magnesium	ND	100	ug/L	SW846 6020		05/14-05/16/07	JWWP61AP
		Dilution Factor: 1					
		Analysis Time...: 18:05					
Manganese	ND	0.50	ug/L	SW846 6020		05/14-05/16/07	JWWP61AQ
		Dilution Factor: 1					
		Analysis Time...: 18:05					
Sodium	ND	100	ug/L	SW846 6020		05/14-05/16/07	JWWP61AR
		Dilution Factor: 1					
		Analysis Time...: 18:05					
Nickel	ND	1.0	ug/L	SW846 6020		05/14-05/16/07	JWWP61AT
		Dilution Factor: 1					
		Analysis Time...: 18:05					
Lead	ND	1.0	ug/L	SW846 6020		05/14-05/16/07	JWWP61AU
		Dilution Factor: 1					
		Analysis Time...: 18:05					
Selenium	ND	5.0	ug/L	SW846 6020		05/14-05/16/07	JWWP61AV
		Dilution Factor: 1					
		Analysis Time...: 18:05					
Thallium	0.065 B	1.0	ug/L	SW846 6020		05/14-05/16/07	JWWP61AW
		Dilution Factor: 1					
		Analysis Time...: 18:05					
Antimony	ND	2.0	ug/L	SW846 6020		05/14-05/16/07	JWWP61AX
		Dilution Factor: 1					
		Analysis Time...: 18:05					
Vanadium	ND	1.0	ug/L	SW846 6020		05/14-05/16/07	JWWP61AO
		Dilution Factor: 1					
		Analysis Time...: 18:05					
Zinc	ND	5.0	ug/L	SW846 6020		05/14-05/16/07	JWWP61A1
		Dilution Factor: 1					
		Analysis Time...: 18:05					

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## METHOD BLANK REPORT

## TOTAL Metals

Client Lot #....: C7E110175

Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	REPORTING			<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>WORK</u> <u>ORDER #</u>
		<u>LIMIT</u>	<u>UNITS</u>	<u> </u>			
MB Lot-Sample #: C7E300000-137		Prep Batch #....:	7150137				
Mercury	0.066 B	0.20	ug/L		SW846 7470A	05/30/07	JXW9W1AD

Dilution Factor: 1  
Analysis Time..: 00:00

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

B Estimated result. Result is less than RL.

## **LABORATORY CONTROL SAMPLE EVALUATION REPORT**

### **GC/MS Volatiles**

PARAMETER	PERCENT	RECOVERY	RPD	RPD LIMITS	METHOD
	RECOVERY	LIMITS			
Benzene	91	(77 - 120)			SW846 8260B
	89	(77 - 120)	1.8	(0-20)	SW846 8260B
Chlorobenzene	100	(79 - 120)			SW846 8260B
	99	(79 - 120)	0.16	(0-20)	SW846 8260B
1,1-Dichloroethene	87	(59 - 129)			SW846 8260B
	85	(59 - 129)	2.9	(0-25)	SW846 8260B
Trichloroethene	91	(76 - 119)			SW846 8260B
	90	(76 - 119)	0.95	(0-21)	SW846 8260B
Toluene	97	(78 - 124)			SW846 8260B
	94	(78 - 124)	2.6	(0-21)	SW846 8260B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
1,2-Dichloroethane-d4	82	(52 - 124)
	84	(52 - 124)
Toluene-d8	99	(72 - 127)
	97	(72 - 127)
4-Bromofluorobenzene	92	(63 - 120)
	93	(63 - 120)
Dibromofluoromethane	86	(68 - 121)
	87	(68 - 121)

**NOTE (S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.

**Bold print** denotes control parameters

## **LABORATORY CONTROL SAMPLE EVALUATION REPORT**

## **GC/MS Volatiles**

PARAMETER	PERCENT	RECOVERY	RPD		METHOD
	RECOVERY	LIMITS	RPD	LIMITS	
Benzene	88	(77 - 120)			SW846 8260B
	89	(77 - 120)	0.70	(0-20)	SW846 8260B
Chlorobenzene	95	(79 - 120)			SW846 8260B
	96	(79 - 120)	0.39	(0-20)	SW846 8260B
1,1-Dichloroethene	83	(59 - 129)			SW846 8260B
	83	(59 - 129)	0.28	(0-25)	SW846 8260B
Trichloroethene	87	(76 - 119)			SW846 8260B
	87	(76 - 119)	0.25	(0-21)	SW846 8260B
Toluene	93	(78 - 124)			SW846 8260B
	92	(78 - 124)	0.82	(0-21)	SW846 8260B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
1,2-Dichloroethane-d4	88	(52 - 124)
Toluene-d8	88	(52 - 124)
4-Bromofluorobenzene	99	(72 - 127)
Dibromofluoromethane	94	(72 - 127)
	98	(63 - 120)
	93	(63 - 120)
	89	(68 - 121)
	87	(68 - 121)

**NOTE (S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.

**Bold print** denotes control parameters

## LABORATORY CONTROL SAMPLE EVALUATION REPORT

## GC/MS Volatiles

**Client Lot #....:** C7E110175      **Work Order #....:** JXDJA1AC      **Matrix.....:** WATER  
**LCS Lot-Sample#:** C7E210000-249  
**Prep Date.....:** 05/21/07      **Analysis Date...:** 05/21/07  
**Prep Batch #....:** 7141249      **Analysis Time...:** 10:46  
**Dilution Factor:** 1

<u>PARAMETER</u>	<u>PERCENT</u>	<u>RECOVERY</u>	
	<u>RECOVERY</u>	<u>LIMITS</u>	<u>METHOD</u>
Benzene	102	(80 - 120)	<b>SW846 8260B</b>
Chlorobenzene	102	(80 - 120)	<b>SW846 8260B</b>
1,1-Dichloroethene	119	(65 - 136)	<b>SW846 8260B</b>
Trichloroethene	102	(73 - 120)	<b>SW846 8260B</b>
Toluene	104	(80 - 123)	<b>SW846 8260B</b>

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>	
	<u>RECOVERY</u>	<u>LIMITS</u>	
Toluene-d8	107	(71 - 118)	
1,2-Dichloroethane-d4	93	(64 - 135)	
4-Bromofluorobenzene	93	(70 - 118)	
Dibromofluoromethane	105	(64 - 128)	

**NOTE(S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

## LABORATORY CONTROL SAMPLE EVALUATION REPORT

## GC/MS Semivolatiles

**Client Lot #....:** C7E110175      **Work Order #....:** JWX561AC      **Matrix.....:** SOLID  
**LCS Lot-Sample#:** C7E150000-014  
**Prep Date.....:** 05/15/07      **Analysis Date...:** 05/31/07  
**Prep Batch #....:** 7135014      **Analysis Time...:** 05:48  
**Dilution Factor:** 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
1,2,4-Trichloro-benzene	68	(37 - 111)	<b>SW846</b> 8270C
1,4-Dichlorobenzene	66	(36 - 107)	<b>SW846</b> 8270C
Acenaphthene	69	(38 - 112)	<b>SW846</b> 8270C
4-Bromophenyl phenyl ether	75	(46 - 120)	<b>SW846</b> 8270C
Pyrene	93	(43 - 118)	<b>SW846</b> 8270C
Butyl benzyl phthalate	84	(47 - 115)	<b>SW846</b> 8270C
4-Chloro-3-methylphenol	74	(39 - 111)	<b>SW846</b> 8270C
2-Chlorophenol	73	(38 - 109)	<b>SW846</b> 8270C
Naphthalene	69	(44 - 109)	<b>SW846</b> 8270C
2,4-Dinitrotoluene	77	(35 - 117)	<b>SW846</b> 8270C
Hexachloroethane	66	(40 - 106)	<b>SW846</b> 8270C
4-Methylphenol	89	(41 - 117)	<b>SW846</b> 8270C
4-Nitrophenol	78	(30 - 125)	<b>SW846</b> 8270C
N-Nitrosodi-n-propyl-amine	72	(36 - 114)	<b>SW846</b> 8270C
Pentachlorophenol	75	(21 - 127)	<b>SW846</b> 8270C
Phenol	78	(36 - 110)	<b>SW846</b> 8270C

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
2,4,6-Tribromophenol	76	(21 - 144)
2-Fluorobiphenyl	66	(26 - 128)
2-Fluorophenol	73	(34 - 115)
Nitrobenzene-d5	63	(30 - 118)
Phenol-d5	80	(35 - 117)
Terphenyl-d14	99	(40 - 115)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

**LABORATORY CONTROL SAMPLE EVALUATION REPORT**

**GC/MS Semivolatiles**

Client Lot #....: C7E110175      Work Order #....: JW0121AC-LCS      Matrix.....: WATER  
 LCS Lot-Sample#: C7E150000-234      JW0121AD-LCSD  
 Prep Date.....: 05/15/07      Analysis Date...: 05/28/07  
 Prep Batch #....: 7135234      Analysis Time...: 07:34  
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY		RPD	METHOD
		LIMITS	RPD		
1,2,4-Trichloro-benzene	66	(39 - 97)			SW846 8270C
	67	(39 - 97)	0.30	(0-32)	SW846 8270C
1,4-Dichlorobenzene	65	(38 - 94)			SW846 8270C
	67	(38 - 94)	3.3	(0-33)	SW846 8270C
Acenaphthene	70	(40 - 97)			SW846 8270C
	71	(40 - 97)	1.7	(0-32)	SW846 8270C
4-Bromophenyl phenyl ether	70	(40 - 105)			SW846 8270C
	75	(40 - 105)	6.9	(0-40)	SW846 8270C
Pyrene	82	(39 - 108)			SW846 8270C
	82	(39 - 108)	0.0	(0-38)	SW846 8270C
Butyl benzyl phthalate	77	(39 - 105)			SW846 8270C
	77	(39 - 105)	0.77	(0-35)	SW846 8270C
4-Chloro-3-methylphenol	72	(38 - 100)			SW846 8270C
	73	(38 - 100)	1.6	(0-32)	SW846 8270C
2-Chlorophenol	69	(38 - 97)			SW846 8270C
	72	(38 - 97)	3.7	(0-31)	SW846 8270C
Naphthalene	68	(38 - 98)			SW846 8270C
	67	(38 - 98)	0.59	(0-39)	SW846 8270C
2,4-Dinitrotoluene	72	(37 - 103)			SW846 8270C
	74	(37 - 103)	3.8	(0-32)	SW846 8270C
Hexachloroethane	63	(35 - 96)			SW846 8270C
	64	(35 - 96)	1.6	(0-43)	SW846 8270C
4-Methylphenol	88	(33 - 106)			SW846 8270C
	90	(33 - 106)	2.3	(0-34)	SW846 8270C
4-Nitrophenol	68	(30 - 112)			SW846 8270C
	66	(30 - 112)	1.8	(0-39)	SW846 8270C
N-Nitrosodi-n-propyl-amine	74	(36 - 102)			SW846 8270C
	76	(36 - 102)	2.6	(0-36)	SW846 8270C
Pentachlorophenol	99	(13 - 120)			SW846 8270C
	103	(13 - 120)	4.1	(0-56)	SW846 8270C
Phenol	71	(36 - 98)			SW846 8270C
	73	(36 - 98)	3.0	(0-35)	SW846 8270C

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## **LABORATORY CONTROL SAMPLE EVALUATION REPORT**

## GC/MS Semivolatiles

Client Lot #....: C7E110175      Work Order #....: JW0121AC-LCS      Matrix.....: WATER  
LCS Lot-Sample#: C7E150000-234      JW0121AD-LCSD

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
2,4,6-Tribromophenol	70	(19 - 138)
	74	(19 - 138)
2-Fluorobiphenyl	66	(35 - 115)
	67	(35 - 115)
2-Fluorophenol	72	(10 - 118)
	72	(10 - 118)
Nitrobenzene-d5	64	(39 - 115)
	65	(39 - 115)
Phenol-d5	78	(18 - 115)
	79	(18 - 115)
Terphenyl-d14	86	(17 - 129)
	89	(17 - 129)

**NOTE (S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.

**Bold print** denotes control parameters

## LABORATORY CONTROL SAMPLE EVALUATION REPORT

## GC Semivolatiles

**Client Lot #....:** C7E110175      **Work Order #....:** JWTJE1AC-LCS      **Matrix.....:** WATER  
**LCS Lot-Sample#:** C7E110000-457                                    **JWTJE1AD-LCSD**  
**Prep Date.....:** 05/11/07      **Analysis Date...:** 05/16/07  
**Prep Batch #....:** 7131457      **Analysis Time...:** 02:36  
**Dilution Factor:** 1

<u>PARAMETER</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>	<u>RPD</u>	<u>LIMITS</u>	<u>METHOD</u>
					<b>SW846 8082</b>
<b>Aroclor 1016</b>	<b>82</b>	(60 - 110)			
	<b>81</b>	(60 - 110)	<b>2.1</b>	(0-27)	<b>SW846 8082</b>
<b>Aroclor 1260</b>	<b>87</b>	(60 - 111)			
	<b>87</b>	(60 - 111)	<b>0.12</b>	(0-24)	<b>SW846 8082</b>
<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>			
Tetrachloro-m-xylene	89	(45 - 120)			
	88	(45 - 120)			
Decachlorobiphenyl	92	(24 - 128)			
	98	(24 - 128)			

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

**LABORATORY CONTROL SAMPLE EVALUATION REPORT**

**GC Semivolatiles**

**Client Lot #....:** C7E110175    **Work Order #....:** JWWM71AC    **Matrix.....:** SOLID  
**LCS Lot-Sample#:** C7E140000-038  
**Prep Date.....:** 05/14/07    **Analysis Date...:** 05/16/07  
**Prep Batch #....:** 7134038    **Analysis Time...:** 00:18  
**Dilution Factor:** 1

<u>PARAMETER</u>	<u>PERCENT</u>	<u>RECOVERY</u>	<u>METHOD</u>
<b>Aroclor 1016</b>	<b>85</b>	<b>(55 - 117)</b>	<b>SW846 8082</b>
<b>Aroclor 1260</b>	<b>85</b>	<b>(54 - 117)</b>	<b>SW846 8082</b>
<u>SURROGATE</u>	<u>RECOVERY</u>	<u>PERCENT</u>	<u>RECOVERY</u>
Tetrachloro-m-xylene	92	(31 - 127)	
Decachlorobiphenyl	86	(23 - 141)	

**NOTE(S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

**LABORATORY CONTROL SAMPLE EVALUATION REPORT**

**TOTAL Metals**

**Client Lot #....: C7E110175**

**Matrix.....: SOLID**

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>	<u>PREPARATION-ANALYSIS DATE</u>	<u>WORK ORDER #</u>
LCS Lot-Sample#:	C7E140000-064	Prep Batch #....:	7134064		
Silver	94	(80 - 120)	SW846 6020	05/14-05/16/07 JWWN01AP	
		Dilution Factor: 1		Analysis Time...: 18:26	
Aluminum	88	(80 - 120)	SW846 6020	05/14-05/16/07 JWWN01CF	
		Dilution Factor: 1		Analysis Time...: 18:26	
Arsenic	87	(80 - 120)	SW846 6020	05/14-05/16/07 JWWN01AQ	
		Dilution Factor: 1		Analysis Time...: 18:26	
Barium	93	(80 - 120)	SW846 6020	05/14-05/16/07 JWWN01CG	
		Dilution Factor: 1		Analysis Time...: 18:26	
Beryllium	85	(80 - 120)	SW846 6020	05/14-05/16/07 JWWN01AR	
		Dilution Factor: 1		Analysis Time...: 18:26	
Calcium	91	(80 - 120)	SW846 6020	05/14-05/16/07 JWWN01CH	
		Dilution Factor: 1		Analysis Time...: 18:26	
Cadmium	88	(80 - 120)	SW846 6020	05/14-05/16/07 JWWN01AT	
		Dilution Factor: 1		Analysis Time...: 18:26	
Cobalt	96	(80 - 120)	SW846 6020	05/14-05/16/07 JWWN01CJ	
		Dilution Factor: 1		Analysis Time...: 18:26	
Chromium	96	(80 - 120)	SW846 6020	05/14-05/16/07 JWWN01AU	
		Dilution Factor: 1		Analysis Time...: 18:26	
Copper	96	(80 - 120)	SW846 6020	05/14-05/16/07 JWWN01AV	
		Dilution Factor: 1		Analysis Time...: 18:26	
Iron	94	(80 - 120)	SW846 6020	05/14-05/16/07 JWWN01CK	
		Dilution Factor: 1		Analysis Time...: 18:26	
Potassium	92	(80 - 120)	SW846 6020	05/14-05/16/07 JWWN01CL	
		Dilution Factor: 1		Analysis Time...: 18:26	
Magnesium	91	(80 - 120)	SW846 6020	05/14-05/16/07 JWWN01CM	
		Dilution Factor: 1		Analysis Time...: 18:26	
Manganese	94	(80 - 120)	SW846 6020	05/14-05/16/07 JWWN01CN	
		Dilution Factor: 1		Analysis Time...: 18:26	

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**LABORATORY CONTROL SAMPLE EVALUATION REPORT**

**TOTAL Metals**

**Client Lot #....: C7E110175**

**Matrix.....: SOLID**

<u>PARAMETER</u>	<u>PERCENT</u>	<u>RECOVERY</u>	<u>METHOD</u>	<u>PREPARATION-</u>	
	<u>RECOVERY</u>	<u>LIMITS</u>		<u>ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Sodium	98	(80 - 120)	SW846 6020	05/14-05/16/07	JWWN01CP
		Dilution Factor: 1		Analysis Time...:	18:26
Nickel	94	(80 - 120)	SW846 6020	05/14-05/16/07	JWWN01AW
		Dilution Factor: 1		Analysis Time...:	18:26
Lead	92	(80 - 120)	SW846 6020	05/14-05/16/07	JWWN01AX
		Dilution Factor: 1		Analysis Time...:	18:26
Selenium	99	(80 - 120)	SW846 6020	05/14-05/16/07	JWWN01A1
		Dilution Factor: 1		Analysis Time...:	18:26
Thallium	93	(80 - 120)	SW846 6020	05/14-05/16/07	JWWN01A2
		Dilution Factor: 1		Analysis Time...:	18:26
Antimony	85	(80 - 120)	SW846 6020	05/14-05/16/07	JWWN01AO
		Dilution Factor: 1		Analysis Time...:	18:26
Vanadium	94	(80 - 120)	SW846 6020	05/14-05/16/07	JWWN01CQ
		Dilution Factor: 1		Analysis Time...:	18:26
Zinc	85	(80 - 120)	SW846 6020	05/14-05/16/07	JWWN01A3
		Dilution Factor: 1		Analysis Time...:	18:26

**LCS Lot-Sample#: C7E300000-069 Prep Batch #...: 7150069**

Mercury	100	(80 - 120)	SW846 7471A	05/30/07	JXW361AC
		Dilution Factor: 1		Analysis Time...:	15:04

**NOTE(S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.

**LABORATORY CONTROL SAMPLE EVALUATION REPORT**

**TOTAL Metals**

**Lot-Sample #....: C7E110175**

**Matrix.....: WATER**

<b>PARAMETER</b>	<b>PERCENT</b>	<b>RECOVERY</b>	<b>RPD</b>	<b>METHOD</b>	<b>PREPARATION-</b>	<b>PREP-</b>
	<b>RECOVERY</b>	<b>LIMITS</b>	<b>RPD</b>		<b>ANALYSIS DATE</b>	<b>BATCH #</b>
<b>Silver</b>	95	(80 - 120)		SW846 6020	05/14-05/16/07	7134088
	96	(80 - 120) 1.2 (0-20)		SW846 6020	05/14-05/16/07	7134088
		Dilution Factor: 1		Analysis Time...: 18:09		
<b>Aluminum</b>	89	(80 - 120)		SW846 6020	05/14-05/16/07	7134088
	94	(80 - 120) 6.0 (0-20)		SW846 6020	05/14-05/16/07	7134088
		Dilution Factor: 1		Analysis Time...: 18:09		
<b>Arsenic</b>	86	(80 - 120)		SW846 6020	05/14-05/16/07	7134088
	89	(80 - 120) 3.7 (0-20)		SW846 6020	05/14-05/16/07	7134088
		Dilution Factor: 1		Analysis Time...: 18:09		
<b>Barium</b>	94	(80 - 120)		SW846 6020	05/14-05/16/07	7134088
	95	(80 - 120) 0.42 (0-20)		SW846 6020	05/14-05/16/07	7134088
		Dilution Factor: 1		Analysis Time...: 18:09		
<b>Beryllium</b>	82	(80 - 120)		SW846 6020	05/14-05/16/07	7134088
	91	(80 - 120) 10 (0-20)		SW846 6020	05/14-05/16/07	7134088
		Dilution Factor: 1		Analysis Time...: 18:09		
<b>Calcium</b>	93	(80 - 120)		SW846 6020	05/14-05/16/07	7134088
	94	(80 - 120) 1.3 (0-20)		SW846 6020	05/14-05/16/07	7134088
		Dilution Factor: 1		Analysis Time...: 18:09		
<b>Cadmium</b>	89	(80 - 120)		SW846 6020	05/14-05/16/07	7134088
	90	(80 - 120) 0.82 (0-20)		SW846 6020	05/14-05/16/07	7134088
		Dilution Factor: 1		Analysis Time...: 18:09		
<b>Cobalt</b>	99	(80 - 120)		SW846 6020	05/14-05/16/07	7134088
	99	(80 - 120) 0.10 (0-20)		SW846 6020	05/14-05/16/07	7134088
		Dilution Factor: 1		Analysis Time...: 18:09		
<b>Chromium</b>	97	(80 - 120)		SW846 6020	05/14-05/16/07	7134088
	97	(80 - 120) 0.41 (0-20)		SW846 6020	05/14-05/16/07	7134088
		Dilution Factor: 1		Analysis Time...: 18:09		
<b>Copper</b>	99	(80 - 120)		SW846 6020	05/14-05/16/07	7134088
	100	(80 - 120) 0.48 (0-20)		SW846 6020	05/14-05/16/07	7134088
		Dilution Factor: 1		Analysis Time...: 18:09		

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**LABORATORY CONTROL SAMPLE EVALUATION REPORT**

**TOTAL Metals**

**Lot-Sample #....: C7E110175**

**Matrix.....: WATER**

<b>PARAMETER</b>	<b>PERCENT</b>	<b>RECOVERY</b>	<b>RPD</b>	<b>METHOD</b>	<b>PREPARATION-</b>	<b>PREP-</b>
	<b>RECOVERY</b>	<b>LIMITS</b>	<b>RPD</b>		<b>ANALYSIS DATE</b>	<b>BATCH #</b>
Iron	96	(80 - 120)		SW846 6020	05/14-05/16/07	7134088
	95	(80 - 120) 1.7 (0-20)		SW846 6020	05/14-05/16/07	7134088
		Dilution Factor: 1		Analysis Time...: 18:09		
Potassium	93	(80 - 120)		SW846 6020	05/14-05/16/07	7134088
	94	(80 - 120) 1.2 (0-20)		SW846 6020	05/14-05/16/07	7134088
		Dilution Factor: 1		Analysis Time...: 18:09		
Magnesium	92	(80 - 120)		SW846 6020	05/14-05/16/07	7134088
	97	(80 - 120) 5.8 (0-20)		SW846 6020	05/14-05/16/07	7134088
		Dilution Factor: 1		Analysis Time...: 18:09		
Manganese	96	(80 - 120)		SW846 6020	05/14-05/16/07	7134088
	95	(80 - 120) 0.87 (0-20)		SW846 6020	05/14-05/16/07	7134088
		Dilution Factor: 1		Analysis Time...: 18:09		
Sodium	96	(80 - 120)		SW846 6020	05/14-05/16/07	7134088
	102	(80 - 120) 6.1 (0-20)		SW846 6020	05/14-05/16/07	7134088
		Dilution Factor: 1		Analysis Time...: 18:09		
Nickel	97	(80 - 120)		SW846 6020	05/14-05/16/07	7134088
	97	(80 - 120) 0.20 (0-20)		SW846 6020	05/14-05/16/07	7134088
		Dilution Factor: 1		Analysis Time...: 18:09		
Lead	90	(80 - 120)		SW846 6020	05/14-05/16/07	7134088
	92	(80 - 120) 1.7 (0-20)		SW846 6020	05/14-05/16/07	7134088
		Dilution Factor: 1		Analysis Time...: 18:09		
Selenium	88	(80 - 120)		SW846 6020	05/14-05/16/07	7134088
	93	(80 - 120) 5.0 (0-20)		SW846 6020	05/14-05/16/07	7134088
		Dilution Factor: 1		Analysis Time...: 18:09		
Thallium	90	(80 - 120)		SW846 6020	05/14-05/16/07	7134088
	93	(80 - 120) 3.5 (0-20)		SW846 6020	05/14-05/16/07	7134088
		Dilution Factor: 1		Analysis Time...: 18:09		
Antimony	86	(80 - 120)		SW846 6020	05/14-05/16/07	7134088
	87	(80 - 120) 1.2 (0-20)		SW846 6020	05/14-05/16/07	7134088
		Dilution Factor: 1		Analysis Time...: 18:09		

(Continued on next page)

**LABORATORY CONTROL SAMPLE EVALUATION REPORT**

**TOTAL Metals**

**Lot-Sample #....: C7E110175**

**Matrix.....: WATER**

<u>PARAMETER</u>	PERCENT	RECOVERY	RPD	METHOD	PREPARATION-	PREP-	<u>BATCH #</u>
	<u>RECOVERY</u>	<u>LIMITS</u>	<u>RPD</u>		<u>ANALYSIS DATE</u>		
Vanadium	94	(80 - 120)		SW846 6020	05/14-05/16/07	7134088	
	95	(80 - 120) 1.4 (0-20)		SW846 6020	05/14-05/16/07	7134088	
Dilution Factor: 1				Analysis Time...: 18:09			
Zinc	88	(80 - 120)		SW846 6020	05/14-05/16/07	7134088	
	89	(80 - 120) 0.81 (0-20)		SW846 6020	05/14-05/16/07	7134088	
Dilution Factor: 1				Analysis Time...: 18:09			

**NOTE(S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #....: C7E110175

Matrix.....: WATER

PARAMETER	PERCENT	RECOVERY	METHOD	PREPARATION-	ANALYSIS DATE	WORK ORDER #
	RECOVERY	LIMITS				

LCS Lot-Sample#: C7E300000-137 Prep Batch #....: 7150137

Mercury 98 (80 - 120) SW846 7470A 05/30/07 JXW9W1AE  
Dilution Factor: 1 Analysis Time.: 00:00

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

**MATRIX SPIKE SAMPLE EVALUATION REPORT**

**GC/MS Volatiles**

<b>Client Lot #....:</b> C7E110175	<b>Work Order #....:</b> JWNP51AV-MS	<b>Matrix.....:</b> WATER
<b>MS Lot-Sample #:</b> C7E100253-006	JWNP51AW-MSD	
<b>Date Sampled....:</b> 05/09/07	<b>Date Received..:</b> 05/10/07	<b>MS Run #.....:</b> 7141145
<b>Prep Date.....:</b> 05/21/07	<b>Analysis Date...:</b> 05/21/07	
<b>Prep Batch #....:</b> 7141249	<b>Analysis Time..:</b> 11:09	
<b>Dilution Factor:</b> 1		

<b>PARAMETER</b>	<b>PERCENT</b>	<b>RECOVERY</b>	<b>RPD</b>	<b>LIMITS</b>	<b>METHOD</b>
	<b>RECOVERY</b>	<b>LIMITS</b>			
Benzene	<b>108</b>	(73 - 120)			SW846 8260B
	<b>105</b>	(73 - 120)	2.6	(0-32)	SW846 8260B
Chlorobenzene	<b>103</b>	(80 - 120)			SW846 8260B
	<b>102</b>	(80 - 120)	1.1	(0-29)	SW846 8260B
1,1-Dichloroethene	<b>119</b>	(60 - 139)			SW846 8260B
	<b>117</b>	(60 - 139)	2.0	(0-48)	SW846 8260B
Trichloroethene	<b>104</b>	(53 - 135)			SW846 8260B
	<b>104</b>	(53 - 135)	0.67	(0-36)	SW846 8260B
Toluene	<b>102</b>	(75 - 126)			SW846 8260B
	<b>103</b>	(75 - 126)	1.2	(0-35)	SW846 8260B

<b>SURROGATE</b>	<b>PERCENT</b>	<b>RECOVERY</b>	<b>LIMITS</b>
	<b>RECOVERY</b>	<b>LIMITS</b>	
Toluene-d8	100		(71 - 118)
	99		(71 - 118)
1,2-Dichloroethane-d4	94		(64 - 135)
	92		(64 - 135)
4-Bromofluorobenzene	91		(70 - 118)
	96		(70 - 118)
Dibromofluoromethane	99		(64 - 128)
	98		(64 - 128)

**NOTE (S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

**MATRIX SPIKE SAMPLE EVALUATION REPORT**

**GC/MS Semivolatiles**

<b>Client Lot #....:</b> C7E110175	<b>Work Order #....:</b> JWQ2P1A8-MS	<b>Matrix.....:</b> SOLID
<b>MS Lot-Sample #:</b> C7E110175-004	JWQ2P1A9-MSD	
<b>Date Sampled....:</b> 05/10/07	<b>Date Received...:</b> 05/11/07	<b>MS Run #.....:</b> 7135005
<b>Prep Date.....:</b> 05/15/07	<b>Analysis Date...:</b> 05/31/07	
<b>Prep Batch #....:</b> 7135014	<b>Analysis Time...:</b> 10:26	
<b>Dilution Factor:</b> 1	<b>% Moisture.....:</b> 7.4	

<b>PARAMETER</b>	<b>PERCENT RECOVERY</b>	<b>RECOVERY LIMITS</b>	<b>RPD</b>	<b>RPD LIMITS</b>	<b>METHOD</b>
		(21 - 118)		(0-49)	
<b>1,2,4-Trichloro- benzene</b>	61				<b>SW846 8270C</b>
	62	(21 - 118)	1.9	(0-49)	<b>SW846 8270C</b>
<b>1,4-Dichlorobenzene</b>	58	(20 - 105)			<b>SW846 8270C</b>
	56	(20 - 105)	4.0	(0-62)	<b>SW846 8270C</b>
<b>Acenaphthene</b>	72	(15 - 130)			<b>SW846 8270C</b>
	66	(15 - 130)	9.5	(0-50)	<b>SW846 8270C</b>
<b>4-Bromophenyl phenyl ether</b>	80	(27 - 136)			<b>SW846 8270C</b>
	90	(27 - 136)	13	(0-48)	<b>SW846 8270C</b>
<b>Pyrene</b>	93	(10 - 168)			<b>SW846 8270C</b>
	96	(10 - 168)	3.2	(0-69)	<b>SW846 8270C</b>
<b>Butyl benzyl phthalate</b>	78	(27 - 130)			<b>SW846 8270C</b>
	80	(27 - 130)	2.3	(0-48)	<b>SW846 8270C</b>
<b>4-Chloro-3-methylphenol</b>	67	(16 - 128)			<b>SW846 8270C</b>
	73	(16 - 128)	8.5	(0-52)	<b>SW846 8270C</b>
<b>2-Chlorophenol</b>	68	(16 - 120)			<b>SW846 8270C</b>
	68	(16 - 120)	0.0	(0-54)	<b>SW846 8270C</b>
<b>Naphthalene</b>	62	(10 - 140)			<b>SW846 8270C</b>
	62	(10 - 140)	0.0	(0-56)	<b>SW846 8270C</b>
<b>2,4-Dinitrotoluene</b>	74	(15 - 132)			<b>SW846 8270C</b>
	67	(15 - 132)	10	(0-49)	<b>SW846 8270C</b>
<b>Hexachloroethane</b>	56	(13 - 111)			<b>SW846 8270C</b>
	54	(13 - 111)	2.6	(0-63)	<b>SW846 8270C</b>
<b>4-Methylphenol</b>	90	(17 - 131)			<b>SW846 8270C</b>
	86	(17 - 131)	4.4	(0-50)	<b>SW846 8270C</b>
<b>4-Nitrophenol</b>	63	(10 - 154)			<b>SW846 8270C</b>
	58	(10 - 154)	7.3	(0-88)	<b>SW846 8270C</b>
<b>N-Nitrosodi-n-propyl- amine</b>	71	(30 - 118)			<b>SW846 8270C</b>
	69	(30 - 118)	2.6	(0-51)	<b>SW846 8270C</b>
<b>Pentachlorophenol</b>	60	(10 - 136)			<b>SW846 8270C</b>
	57	(10 - 136)	5.6	(0-123)	<b>SW846 8270C</b>
<b>Phenol</b>	72	(19 - 119)			<b>SW846 8270C</b>
	69	(19 - 119)	3.4	(0-50)	<b>SW846 8270C</b>

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #....: C7E110175  
MS Lot-Sample #: C7E110175-004

Work Order #....: JWQ2P1A8-MS  
JWQ2P1A9-MSD

Matrix.....: SOLID

<u>SURROGATE</u>	PERCENT	RECOVERY
	<u>RECOVERY</u>	<u>LIMITS</u>
2,4,6-Tribromophenol	84	(21 - 144)
	79	(21 - 144)
2-Fluorobiphenyl	68	(26 - 128)
	65	(26 - 128)
2-Fluorophenol	66	(34 - 115)
	64	(34 - 115)
Nitrobenzene-d5	58	(30 - 118)
	58	(30 - 118)
Phenol-d5	76	(35 - 117)
	74	(35 - 117)
Terphenyl-d14	103	(40 - 115)
	103	(40 - 115)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Results and reporting limits have been adjusted for dry weight.

**MATRIX SPIKE SAMPLE EVALUATION REPORT**

**GC Semivolatiles**

<b>Client Lot #....:</b> C7E110175	<b>Work Order #....:</b> JWQ2J1A8-MS	<b>Matrix.....:</b> SOLID
<b>MS Lot-Sample #:</b> C7E110175-001	JWQ2J1A9-MSD	
<b>Date Sampled...:</b> 05/10/07	<b>Date Received...:</b> 05/11/07	<b>MS Run #.....:</b> 7134030
<b>Prep Date.....:</b> 05/14/07	<b>Analysis Date...:</b> 05/15/07	
<b>Prep Batch #....:</b> 7134038	<b>Analysis Time...:</b> 17:44	
<b>Dilution Factor:</b> 1	<b>% Moisture.....:</b> 6.5	

<b>PARAMETER</b>	<b>PERCENT RECOVERY</b>	<b>RECOVERY LIMITS</b>	<b>RPD</b>	<b>LIMITS</b>	<b>METHOD</b>
<b>Aroclor 1016</b>	<b>82</b>	<b>(10 - 183)</b>			<b>SW846 8082</b>
	<b>92</b>	<b>(10 - 183)</b>	<b>12</b>	<b>(0-39)</b>	<b>SW846 8082</b>
<b>Aroclor 1260</b>	<b>83</b>	<b>(25 - 143)</b>			<b>SW846 8082</b>
	<b>96</b>	<b>(25 - 143)</b>	<b>15</b>	<b>(0-34)</b>	<b>SW846 8082</b>

<b>SURROGATE</b>	<b>PERCENT RECOVERY</b>	<b>RECOVERY LIMITS</b>
Tetrachloro-m-xylene	87	(31 - 127)
	94	(31 - 127)
Decachlorobiphenyl	89	(23 - 141)
	106	(23 - 141)

**NOTE (S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Results and reporting limits have been adjusted for dry weight.

**MATRIX SPIKE SAMPLE EVALUATION REPORT**

**TOTAL Metals**

**Client Lot #....:** C7E110175  
**Date Sampled....:** 05/09/07

**Date Received..:** 05/10/07

**Matrix.....:** SOLID

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
<b>MS Lot-Sample #:</b> C7E100174-006 <b>Prep Batch #....:</b> 7134064							
Silver	83	(75 - 125)			SW846 6020		* Moisture.....: 48
	82	(75 - 125) 0.19 (0-20)			SW846 6020	05/14-05/16/07 JWM391A0	05/14-05/16/07 JWM391A1
		Dilution Factor: 1					
		Analysis Time...: 18:50					
		MS Run #.....: 7134039					
Aluminum	NC	(75 - 125)			SW846 6020	05/14-05/16/07 JWM391CT	
	NC	(75 - 125) (0-20)			SW846 6020	05/14-05/16/07 JWM391CU	
		Dilution Factor: 1					
		Analysis Time...: 18:50					
		MS Run #.....: 7134039					
Arsenic	78	(75 - 125)			SW846 6020	05/14-05/16/07 JWM391A2	
	76	(75 - 125) 1.6 (0-20)			SW846 6020	05/14-05/16/07 JWM391A3	
		Dilution Factor: 1					
		Analysis Time...: 18:50					
		MS Run #.....: 7134039					
Barium	90	(75 - 125)			SW846 6020	05/14-05/16/07 JWM391CW	
	91	(75 - 125) 1.4 (0-20)			SW846 6020	05/14-05/16/07 JWM391CX	
		Dilution Factor: 1					
		Analysis Time...: 18:50					
		MS Run #.....: 7134039					
Beryllium	79	(75 - 125)			SW846 6020	05/14-05/16/07 JWM391A4	
	76	(75 - 125) 3.9 (0-20)			SW846 6020	05/14-05/16/07 JWM391A5	
		Dilution Factor: 1					
		Analysis Time...: 18:50					
		MS Run #.....: 7134039					
Calcium	NC	(75 - 125)			SW846 6020	05/14-05/16/07 JWM391C1	
	NC	(75 - 125) (0-20)			SW846 6020	05/14-05/16/07 JWM391C2	
		Dilution Factor: 1					
		Analysis Time...: 18:50					
		MS Run #.....: 7134039					
Cadmium	79	(75 - 125)			SW846 6020	05/14-05/16/07 JWM391A6	
	78	(75 - 125) 0.67 (0-20)			SW846 6020	05/14-05/16/07 JWM391A7	
		Dilution Factor: 1					
		Analysis Time...: 18:50					
		MS Run #.....: 7134039					

(Continued on next page)

**MATRIX SPIKE SAMPLE EVALUATION REPORT**

**TOTAL Metals**

**Client Lot #....:** C7E110175

**Date Sampled....:** 05/09/07

**Date Received..:** 05/10/07

**Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY	RPD	METHOD	PREPARATION-	WORK
		LIMITS	RPD		ANALYSIS DATE	ORDER #
Cobalt	90	(75 - 125)		SW846 6020	05/14-05/16/07	JWM391C4
	89	(75 - 125) 1.5	(0-20)	SW846 6020	05/14-05/16/07	JWM391C5
		Dilution Factor: 1				
		Analysis Time...: 18:50				
		MS Run #.....: 7134039				
Chromium	99	(75 - 125)		SW846 6020	05/14-05/16/07	JWM391A8
	99	(75 - 125) 0.32	(0-20)	SW846 6020	05/14-05/16/07	JWM391A9
		Dilution Factor: 1				
		Analysis Time...: 18:50				
		MS Run #.....: 7134039				
Copper	84	(75 - 125)		SW846 6020	05/14-05/16/07	JWM391CA
	84	(75 - 125) 0.04	(0-20)	SW846 6020	05/14-05/16/07	JWM391CC
		Dilution Factor: 1				
		Analysis Time...: 18:50				
		MS Run #.....: 7134039				
Iron	NC	(75 - 125)		SW846 6020	05/14-05/16/07	JWM391C7
	NC	(75 - 125) (0-20)		SW846 6020	05/14-05/16/07	JWM391C8
		Dilution Factor: 1				
		Analysis Time...: 18:50				
		MS Run #.....: 7134039				
Potassium	93	(75 - 125)		SW846 6020	05/14-05/16/07	JWM391DA
	91	(75 - 125) 2.2	(0-20)	SW846 6020	05/14-05/16/07	JWM391DC
		Dilution Factor: 1				
		Analysis Time...: 18:50				
		MS Run #.....: 7134039				
Magnesium	86	(75 - 125)		SW846 6020	05/14-05/16/07	JWM391DE
	80	(75 - 125) 4.2	(0-20)	SW846 6020	05/14-05/16/07	JWM391DF
		Dilution Factor: 1				
		Analysis Time...: 18:50				
		MS Run #.....: 7134039				
Manganese	89	(75 - 125)		SW846 6020	05/14-05/16/07	JWM391DH
	105	(75 - 125) 5.1	(0-20)	SW846 6020	05/14-05/16/07	JWM391DJ
		Dilution Factor: 1				
		Analysis Time...: 18:50				
		MS Run #.....: 7134039				

(Continued on next page)

**MATRIX SPIKE SAMPLE EVALUATION REPORT**

**TOTAL Metals**

**Client Lot #....: C7E110175**

**Date Sampled...: 05/09/07**

**Date Received..: 05/10/07**

**Matrix.....: SOLID**

PARAMETER	PERCENT RECOVERY	RECOVERY	RPD	METHOD	PREPARATION-	WORK ORDER #
		LIMITS	RPD LIMITS		ANALYSIS DATE	
Sodium	95	(75 - 125)		SW846 6020	05/14-05/16/07	JWM391DL
	91	(75 - 125) 3.8	(0-20)	SW846 6020	05/14-05/16/07	JWM391DM
		Dilution Factor: 1				
		Analysis Time...: 18:50				
		MS Run #.....: 7134039				
Nickel	86	(75 - 125)		SW846 6020	05/14-05/16/07	JWM391CD
	86	(75 - 125) 0.45	(0-20)	SW846 6020	05/14-05/16/07	JWM391CE
		Dilution Factor: 1				
		Analysis Time...: 18:50				
		MS Run #.....: 7134039				
Lead	119	(75 - 125)		SW846 6020	05/14-05/16/07	JWM391CF
	125	(75 - 125) 2.2	(0-20)	SW846 6020	05/14-05/16/07	JWM391CG
		Dilution Factor: 1				
		Analysis Time...: 18:50				
		MS Run #.....: 7134039				
Selenium	79	(75 - 125)		SW846 6020	05/14-05/16/07	JWM391CK
	79	(75 - 125) 0.47	(0-20)	SW846 6020	05/14-05/16/07	JWM391CL
		Dilution Factor: 1				
		Analysis Time...: 18:50				
		MS Run #.....: 7134039				
Thallium	87	(75 - 125)		SW846 6020	05/14-05/16/07	JWM391CM
	89	(75 - 125) 1.2	(0-20)	SW846 6020	05/14-05/16/07	JWM391CN
		Dilution Factor: 1				
		Analysis Time...: 18:50				
		MS Run #.....: 7134039				
Antimony	61 N	(75 - 125)		SW846 6020	05/14-05/16/07	JWM391CH
	61 N	(75 - 125) 1.0	(0-20)	SW846 6020	05/14-05/16/07	JWM391CJ
		Dilution Factor: 1				
		Analysis Time...: 18:50				
		MS Run #.....: 7134039				
Vanadium	91	(75 - 125)		SW846 6020	05/14-05/16/07	JWM391DP
	90	(75 - 125) 1.0	(0-20)	SW846 6020	05/14-05/16/07	JWM391DQ
		Dilution Factor: 1				
		Analysis Time...: 18:50				
		MS Run #.....: 7134039				

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #....: C7E110175  
Date Sampled...: 05/09/07

Matrix.....: SOLID

Date Received..: 05/10/07

PARAMETER	PERCENT	RECOVERY	RPD	METHOD	PREPARATION-	WORK
	RECOVERY	LIMITS	RPD		ANALYSIS DATE	ORDER #
Zinc	77	(75 - 125)		SW846 6020	05/14-05/16/07	JWM391CP
	76	(75 - 125)	1.2 (0-20)	SW846 6020	05/14-05/16/07	JWM391CQ

Dilution Factor: 1  
Analysis Time.: 18:50  
MS Run #.....: 7134039

**NOTE (S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.

Results and reporting limits have been adjusted for dry weight.

N Spiked analyte recovery is outside stated control limits.

NC The recovery and/or RPD were not calculated.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: C7E110175  
Date Sampled...: 05/10/07

Matrix.....: SOLID

Date Received..: 05/11/07

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>	<u>PREPARATION-</u>	<u>WORK</u>
						<u>ANALYSIS DATE</u>	<u>ORDER #</u>
<b>MS Lot-Sample #:</b> C7E110175-001 <b>Prep Batch #....:</b> 7150069							
Mercury	110	(75 - 125)		SW846 7471A		* Moisture.....: 6.5	
	112	(75 - 125) 1.8 (0-20)	1.8	SW846 7471A		05/30/07 JWQ2J1CA	
		Dilution Factor: 1				05/30/07 JWQ2J1CC	
		Analysis Time...: 15:08					
		MS Run #.....: 7150055					

**NOTE(S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.

Results and reporting limits have been adjusted for dry weight.

**SAMPLE DUPLICATE EVALUATION REPORT**

**General Chemistry**

**Client Lot #....: C7E110175      Work Order #....: JWP3E-SMP      Matrix.....: SOLID**

**JWP3E-DUP**

**Date Sampled...: 05/10/07**

**Date Received..: 05/10/07**

**% Moisture.....: 24**

<u>PARAM</u>	<u>RESULT</u>	<u>DUPLICATE</u>	<u>UNITS</u>	<u>RPD</u>	<u>RPD</u>	<u>LIMIT</u>	<u>METHOD</u>	<u>PREPARATION-</u>	<u>PREP</u>
								<u>ANALYSIS DATE</u>	<u>BATCH #</u>
Percent Solids	76.3	76.7	%	0.58	(0-20)	SD Lot-Sample #:	C7E100387-001		
						MCAWW 160.3 MOD	05/11-05/12/07	7131209	
		Dilution Factor: 1				Analysis Time..: 08:17			MS Run Number..: 7131153